A comprehensive range of protective clothing products providing the most appropriate personal protection to meet your needs.

Selecting the correct Safety Protective Clothing product for your particular circumstances can be difficult. The following information may be helpful:

- A71 and A80 are our chemical protective coveralls meeting EN 14605:2005 Type 3.
- A65 FR uses a special fabric providing ISO 14116 Index 1 limited flame spread performance in addition to light liquid splash and particle protection.
- A50 is a unique, treated SMS[1] product offering good levels of protection and comfort in a single product.
- A40 is a film laminate product that offers market leading levels of protection but is not as breathable as A50.
- A45 is a combination product. A40 provides high levels of protection to the front where the majority of contamination will occur with a breathable back panel for additional comfort.
- A25+ provides superior freedom of movement with high levels of breathability.
- A20+ is an SMS product that provides high levels of comfort due to the breathability of the protective base-sheet.

Product	Test Method	A20+	A25+	A40	A45	A50	A65 FR	A71	A80
		High levels of comfort	High comfort with superior freedom of movement	High levels of protection	Combination of A40 for protection and breathable back panel	Combines reasonably high levels of protection and comfort	Flame retardant coverall	Chemical protection	High level chemical protection
Type 3	EN 14605:2005							Pass	Pass
Type 4	EN 14605:2005							Pass	
Type 5	EN ISO 13982-1:2004	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Type 6	EN 13034:2005	Pass	Pass	Pass	Pass	Pass	Pass		
Infective agents	EN 14126:2003							Pass	Pass
Surface resistivity	EN 1149-1:1995	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Radioactive dust	EN 1073-2:2002	Pass		Pass	Pass	Pass	Pass	Pass	Pass
Fabric Tests									
Abrasion resistance	EN 530 Method 2	1	1	6	2	3	2	6	6
Flex cracking resistance	ISO 7854 Method B	3	1	4	4	4	2	2	5
Trapezoidal tear resistance	ISO-9073-4	2	1	2	2	2	2	2	3
Tensile strength	EN ISO 13935-2	1	1	2	1	1	2[2]	1	2
Seam strength	EN ISO 13935-2	2	2	3	3	3	3	3	4
Puncture resistance	EN 863	1	1	2	2	2	2	2	2
Resistance to ignition	EN 13274.4 Method 3	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
EN 368									
Repellence of liquids	EN 368 (30% H2SO4)	3	3	3	3	3	3		
	EN 368 (10% NaOH)	3	3	3	3	3	3		
Resistance to penetration by liquids	EN 368 (30% H2SO4)	3	3	3	3	3	2		
	EN 368 (10% NaOH)	3	3	3	3	3	3		
EN 374:3									
Resistance to permeation	EN 374:3 (30% H2SO4)							6	6
	EN 374:3 (10% NaOH)							6	6
Whole Garment Tests (Tests performed with taping at wrists, ankles & hood)									
Resistance to penetration by liquids in the form of a light spray (mist test)	EN 468 (modified)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Determination of resistance of suits to penetration by aerosols and fine particles	Pr ISO 13982-2 (average total inward leakage)	4.41%	4.26%	5.09%	3.4%	4.34%	10.1%	4.13%	3.6%

The selector is a guide only. It is the responsibility of the employer to make sure the protective clothing is suitable for its intended use. We suggest that you always check the latest version of KIMBERLY-CLARK PROFESSIONAL* product literature to get current information about the products or contact INFOFAX Service by emailing infofax@kcc.com.

1 - Spunbond Meltblown Spunbond
2 - EN ISO 14116:2008 requires a tensile strength of > 150N. This garment has a tensile strength of > 60 N only. Suitability for the intended use needs to be verified

A80 Chemical Protection Coverall
Type 3/5



1. Provides an excellent barrier to high pressure jets of aqueous chemicals
2. Ultrasonic seams and tear resistant fabric offers a strong liquid tight barrier
3. Front sealed by hook and loop fastener allows the garment to be re-used if it is not contaminated
4. Specially designed hood, body and waist for comfort and safety

Highly visible for improved worker safety

Silicone-free and anti-static fabric EN 1149-1 for critical areas

EN 1073-2 approved for radioactive dust protection

EN 14126 approved for infective agents protection



- High performance protective clothing fabric
- Outer layer – film coating resists splash and spray from many liquids and dry particulates.
- Inner layer – cloth-like, yet tough and abrasion-resistant spunbond polypropylene.



A71 Chemical Protection Coverall
Type 3/4/5



1. Durable film laminate with sewn and taped seams provides a strong barrier to chemical spray
2. Sewn and taped seams with tear resistant fabric offer a strong liquid-tight barrier
3. Storm-flap and hood designed for easier taping to a respirator
4. Elasticated hood, cuffs and waist designed for better comfort and safety

Highly visible for improved worker safety

Silicone-free and anti-static fabric EN 1149-1 for critical areas

EN 14126 approved for infective agents protection

EN 1073-2 approved for radioactive dust protection



- High performance protective clothing fabric
- Outer layer – film coating resists splash and spray from many liquids and dry particulates.
- Inner layer – cloth-like, yet tough and abrasion-resistant spunbond polypropylene.



A65 FR Flame-Retardant Coverall
Type 5/6



1. Silicone-free for critical areas
2. No chest label to minimise flame hazards
3. Made from a pulp polyester blend and generous cut design

Type 5/6 protection against limited liquid splash and sprays of non-flammable liquids

Compliant with EN ISO 14116 :2008 - Index 1 limited flame spread

Antistatic fabric EN 1149-1 for critical areas

Does not burn when in contact with flames

Self-extinguishing

Does not form molten drips or debris

New smaller packaging suitable for vending machines, saves on storage space and transport/handling costs



- Note: KLEENGUARD® A65 FR Coverall must be worn over primary thermally protective coveralls (meeting ISO 14116:2008 Index 3) in environments where flash fire is a concern. The coverall protects the garment underneath and does not reduce the overall thermal protection of the wearer when worn over thermal protective suit.



A50 Breathable Coverall Type 5/6

1. UPGRADED - new design for better fit. Thumb loops prevent sleeves from riding up and provide increased wrist protection
2. Silicone-free, ideal for paint spraying
3. Low lint fabric and internal seams reduce the risk of fibre contamination
4. Strong triple-stitched seams help to protect against tearing
5. Hood designed for respirator use and freedom of movement
- Antistatic EN 1149-1 for critical areas
- Durable SMS Fabric with additional treatment for increased protection against chemical splash
- Breathable fabric reduces the risk of heat stress
- EN 1073-2 approved for radioactive dust protection
- 2-way zip for quick, easy access to work clothes
- Available in white and blue Protective Clothing, white jacket and trousers
- Reduced packaging reduces waste. Small, compact size is ideal for vending machines





- High performance SMS fabric
- Outer layers–cloth-like, yet strong and abrasion-resistant spunbond polypropylene.





- Middle layer – intricate web of microfibres that filtersout many waterbased liquids and dry particulates.



A45 Breathable Combination CoverallType 5/6

1. UPGRADED - new design for better fit. Thumb loops prevent sleeves from riding up and provide increased wrist protection
2. Silicone-free, ideal for paint spraying
3. Full length zip facilitates putting on/taking off garment and offers better coverage of chin and neck
4. Specially designed hood for respirator fit and freedom of movement
5. Longer arms for a better fit with gloves
- Superior breathability with a durable SMS fabric back panel with additional treatment for increased protection against chemical splash
- Antistatic fabric EN 1149-1 for critical areas
- Ultra low-lint performance, film laminate and internally bound seams significantly reduce levels of lint
- Front, arms, legs and hood made of film laminate fabric
- EN 1073-2 approved for radioactive dust protection
- Reduced packaging reduces waste. Small, compact size is ideal for vending machines



- High-performance protective clothing fabric
- Front, arms, legs and hood
- Outer layer – film coating resists splash and spray from many liquids and dry particulates.
- Inner layer – cloth-like, yet tough and abrasion-resistant spunbond poly-propylene. Back panel – outer layer – cloth-like, yet strong and abrasion-resistant spunbound polypropylene.
- Inner layer – intricate web of microfibres that filters out many water-based liquids and dry particulates.





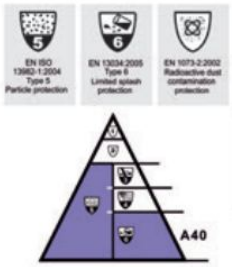
Standard protective clothing – after 10 minutes of strenuous work.

KLEENGUARD® A45 Coverall The temperature is lower and more homogeneous. The body stress for the person is considerably lower.

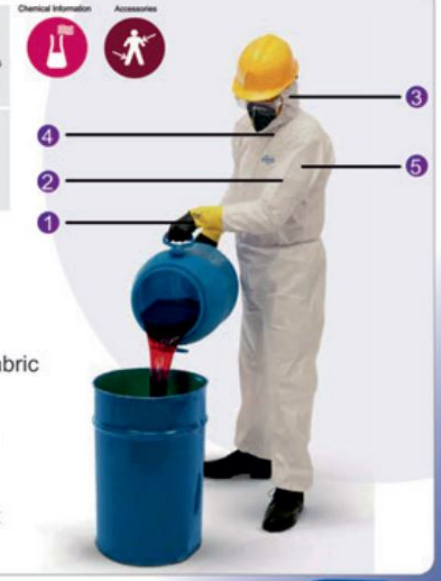


A40 Liquid and Particle Protection CoverallType 5/6

1. UPGRADED - new design for better fit. Thumb loops prevent sleeves from riding up and provide increased wrist protection
2. Strong triple-stitched seams help protect against tearing
3. Hood designed for respirator use and freedom of movement
4. Full length zip, facilitates putting on/taking off garment
5. Ultra low-lint performance, film laminate and internal seams significantly reduce levels of lint
- Film laminate technology provides an outstanding barrier against a wide range of chemicals
- Particle protection, keeps out > 99% of fibres greater than 1 micron
- Antistatic fabric EN 1149-1 for critical areas
- Silicone-free, ideal for paint-spraying
- EN 1073-2 approved for radioactive dust protection
- Compressed packaging provides auto-dispensing system and reduces storage space
- Sealed polybags for low contamination risk



- High performance clothing fabric
- Outer layer – film coating resists splash and spray from many liquids and dry particulates.
- Inner layer – cloth-like, yet tough and abrasion-resistant spunbond polypropylene.



A25+ Protective Coverall

with Stretch PanelsType 5/6

1. Grey stretchable film laminate is strategically placed to provide greater freedom of movement
2. Breathable white SMS fabric reduces the risk of heat stress
3. Longer arms for a better fit with gloves

Innovative design for additional wearer comfort

Antistatic fabric EN 1149-1 for critical areas

General purpose protective clothing suitable for handling liquids, powders, general manufacturing and maintenance

Both white SMS and grey stretchable film laminate fabrics ensure resistance to 99% of particulates larger than 1 micron (I.O.M. Aloxite test) and water based liquids

Full length zip facilitates putting on/taking off garment and offers better coverage of chin and neck

Silicone-free

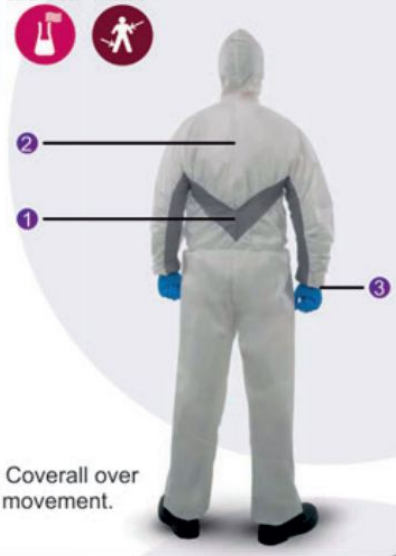
EN 1073-2 approved for radioactive dust protection

Reduced packaging reduces waste. Small compact size makes it ideal for vending machines

CE0120 | EN ISO 13982-1:2004 Type 5 Particle protection | EN 13034:2005 Type 6 Limited splash protection | EN 1149-1:1995 Antistatic

Chemical Information | Accessories





■ Did you know?
90% of users preferred KLEENGUARD® A25+ Liquid & Particle Protection Coverall over Tyvek® Classic for ease of movement.

A20+ Particle Protection Coverall

Type 5/6

1. UPGRADED - new design for better fit. Thumb loops prevent sleeves from riding up and provide increased wrist protection
2. Triple-stitched internal seams protect against tearing
3. Specially designed body, hood and waist for comfort and safety

Antistatic EN1149-1 for critical areas

Durable SMS fabric keeps out 99% of particles larger than 1 micron (I.O.M Aloxite test)

Breathable fabric reduces the risk of heat stress

Silicone-free for critical areas

EN 1073-2 approved for radioactive dust protection

Reduced packaging reduces waste. Small, compact size is ideal for vending machines

EN ISO 13982-1:2004 Type 5 Particle protection | EN 13034:2005 Type 6 Limited splash protection | EN 1073-2:2002 Radioactive dust contamination protection | EN 1149-1:1995 Antistatic | Accessories | CE0120





High performance SMS fabric
Outer layers – cloth-like, yet strong and abrasion-resistant spunbond polypropylene.
Middle layer – intricate web of microfibres that filters out many water-based liquids and dry particulates.

A10 Light-Duty Coverall

1. Elasticised cuffs, ankles and waist improves fit and wearer safety
2. Strong triple-protection stitched seams help to protect against tearing

Durable spunbond fabric protects the user's clothes

Breathable fabric reduces the risk of heat stress

Comfortable body design for freedom of movement

Silicone-free



CE Simple



A10 Light-Duty Visitor Coat

CE Simple

Spunbond polypropylene material

Designed to keep visitors clothing from becoming contaminated





A40 Accessories Cat1 Products

Constructed using the same antistatic material as our A40 Coverall









Description	Size/Code	Colour	Case Contents	PPE Classification
A40 Accessory – Short Apron	44481		100 ×	CAT I
A40 Accessory – Sleeve	98730		200 ×	CAT I
A40 Accessory – Overshoe	98700		200 ×	CAT I
A40 Accessory – Overboot	98800		100 ×	CAT I

A40 Overshoe with Sole

Constructed using the same antistatic material as our A40 overall - with durable sole





Description	M/L	XL/XXL	Colour	Case Contents	PPE Classification
A40 Accessory – Overshoe with Sole	98710	98720		200 ×	CAT I
A40 Accessory – Overboot with Sole	98810	98820		100 ×	CAT I

A10 Overshoe with sole

Constructed using the same antistatic material as our A50 Coverall





Description	Size/Code	Colour	Case Contents	PPE Classification
A10 Accessory - overshoe + sole	8272		200 ×	CAT I
A10 Accessory - overshoe XL + sole	8273		200 ×	CAT I



Description	Size/Code	Colour	Case Contents	PPE Classification
A10 Accessory – Mob Cap	82600		1000 ×	CAT I

JACKSON SAFETY* Eye Wear V60 Nemesis Rx, V50 Calico and V40 HellRaiser

V50 Eye Wear
Calico

CE 0194 EN166:2001



- Enhanced version of the popular V50 design
- Foam fog and particle shield provides extra protection around lens
- Anti-fog lens coating that meets European Standard EN166 N
- Anti-scratch lens coating that meets European Standard EN166 K
- Removable arms and head-strap attachment allow easy conversion from spectacles to goggles

V60 Eye Wear
Nemesis Rx

CE 0194 EN166:2001



- Bifocal style with diopters for vision assistance
- +1.0 to +3.0 diopters available
- Enhanced nose piece design to channel away sweat
- Every pair includes a neck cord

V40 Eye Wear
HellRaiser

CE 0194 EN166:2001



- Streamlined, sunglass styling
- Lightweight, flexible design

JACKSON SAFETY* Eye Wear V30 Nemesis, V30 Nemesis VL and V20 Purity

V30 Eye Wear
Nemesis VL

CE 0194 EN166:2001



- Frameless ultra-lightweight design
- No-brow design increases upward and peripheral vision
- Compact profile accommodates smaller faces
- Slip-stop temples reduce slipping
- Includes free neck cord

V30 Eye Wear
Nemesis

CE 0194 EN166:2001



- Most popular product - sleek, sporty style
- Anti-scratch and anti-fog available in 3 lens types
- Soft touch temples for added comfort
- Every pair includes a neck cord

V20 Eye Wear
Purity

CE 0194 EN166:2001



- A great look for lightweight, economy protective eye wear
- Wrap-around lens for better eye protection
- Comfortable, padded temples

JACKSON SAFETY* Eye Wear V10 Unispec and V10 Element

V10 Eye Wear
Unispec

CE 0194 EN166:2001



- Low-cost wrap-around protection with a one-piece polycarbonate lens and uncoated frame
- Side shields provide added protection
- Fits over most prescription eye wear

V10 Eye Wear
Element

CE 0194 EN166:2001



- Lightweight popular styling with an economical price
- Universal nose bridge for comfort
- Completely Dielectric

JACKSON SAFETY* Face Protection F20 Face Shield and Brow Guard

Face Shild
F20 Polycarbonate



- Full face protection against particles and sparks
- Meets EN166 level B for Medium impact protection (120 m/s)
- Meets EN166 level 2 for Intermittent use

Brow Guard
J-Maxx



- Provides protection around the forehead and holds the Face Shield piece in place
- Adjustable over-top head strap, to suit user
- Side ratchet adjuster, to suit the comfort of the user
- Easy to use unlocking system for quick removal



JACKSON Safety* Hearing Protection
H50/H30 Hearing Protection

H50 Multiple-use Hearing Protection
Ear Clips



Patented clip-on design:
- Designed to be easily inserted and removed
- Designed to ensure long wearing comfort
- Lightweight clips stay securely in place
- Designed not to interfere with other PPE
- Designed to be used with JACKSON SAFETY* H50 Replacement Pads

User friendly:
- Soft foam uniquely shaped to conform to the ear canal opening
- Easy and hygienic insertion and removal, minimising risk of contamination due to direct contact of hands with foam
- Individual carry case provided with each pair
- Corded and uncorded options available
- Reusable, helps to reduce cost in use and increase efficiency and productivity

SNR 23

H50 Multiple-use Hearing Protection
Replacement Pads



- Replaceable pad system to be used in conjunction with the JACKSON SAFETY* H50 Hearing Protection
- One clip can last numerous replacement pads
- Slotted one-way system that avoids errors in fitting
- Reusable, helps to reduce cost in use

SNR 23

H30 Hearing Protection
Flexible Earplugs



Unique tapered design :
- Quick and comfortable custom fit
- Eliminates need to roll down foam
- Provides instant protection upon proper insertion, no need to wait for foam to expand

User friendly:
- Flexible handle and soft exterior work together to provide more comfort to the user
- Easy hygienic insertion and removal, minimises hand to foam contamination
- Each pair complete with individual carry case
- Reusable, helps to reduce cost in use

SNR 28

JACKSON Safety* Hearing Protection
H20/H10 Hearing Protection

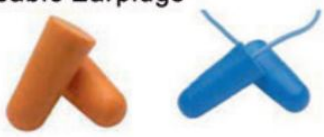
H20 Hearing Protection
Reusable Earplugs



- High visibility for easy compliance monitoring
- Each pair complete with resealable bag
- Corded and uncorded options available
  Also available in corded metal detectable option
- Soft design to ensure comfort and conformity
- Specific design for easier holding and donning
- Each pair individually bagged in resealable bags to maximise productivity and efficiency
- Ideal for medium-low noise environment

SNR 27 MD SNR 25

H10 Hearing Protection
Disposable Earplugs



- Soft roll-down foam for easy insertion
- High visibility for easy compliance monitoring
- Each pair individually bagged
- Corded and uncorded options available
  Also available in corded metal detectable option
- Longer and softer for helping correct insertion
- Ideal releasing time
- Ideal for high noise environments

SNR 34 MD SNR 31



R30/R20 Folded Range

JACKSON SAFETY* Respirators

R30 FFP3 RD Respirator
Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists
- Metal fumes
- Caustics
- Solvents

- Dolomite Test passed – proven filtering performance over time
- Exhalation valve – enhanced comfort through heat and moisture reduction
- F120 mg loading test passed – meets latest regulations – filtering performance even when filtermedia are under heavy particle load
- Extra soft inner lining – extra comfort
- Easy dispensing – no dust penetration into box
- Red colour coding – easy distinction of performance level (FFP3)
- Reusable at the end of the shift (R)

R20 FFP2 NR Carbon Respirator
Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists
- Organic vapours

- Carbon layer helps stop nuisance odours below their Workplace Exposure Level (WEL)
- Exhalation valve – enhanced comfort through heat and moisture reduction
- Yellow colour coding – easy distinction of performance level (FFP2)

R20/R10 Folded Range

R30 FFP3 RD Respirator
Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists

- Dolomite Test passed – proven filtering performance over time
- Exhalation valve – enhanced comfort through heat and moisture reduction
- Yellow colour coding – easy distinction of performance level (FFP2)
- Reusable at the end of the shift (R)

R20 FFP2 RD Respirator
Unvalved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists

- Dolomite Test passed – proven filtering performance over time
- Yellow colour coding – easy distinction of performance level (FFP2)
- Reusable at the end of the shift (R)

R10 FFP1 R Respirator
Unvalved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists

- Blue colour coding – easy distinction of performance level (FFP1)
- Reusable at the end of the shift (R)

R30 / R20 Moulded Comfort Strap Range

R30 FFP3 NR Particulate Respirator
Dual Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists
- Metal fumes

- Dual valves designed to maximise warm and humid airflow away from the face and help reduce fogging on eye wear
- Colour-coded red for easy distinction of performance level (FFP3)
- Dolomite Test passed – proven filtering performance over time

R20 FFP2D NR Nuisance Odour Respirator
Dual Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists
- Metal fumes
- Organic vapours

- Disposable FFP2 respirator coated with potassium carbonate that relieves the wearer from nuisance odour from organic vapours below their Workplace Exposure Level (WEL)
- Dual valved for increased respiratory comfort
- Colour-coded yellow for easy distinction of performance level FFP2

R20 FFP2 NR D Respirator
Dual Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists
- Metal fumes

- Dual valves designed to maximise warm and humid airflow away from the face and help reduce fogging on eye wear
- Colour-coded yellow for easy distinction of performance level (FFP2)
- Dolomite Test passed – proven filtering performance over time

R10 Moulded Comfort Strap Range

JACKSON SAFETY* Respirators

R10 FFP1 NR Particular Respirators
Dual Valved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists

- Dual valves designed to maximise warm and humid airflow away from the face and help reduce fogging on eye wear
- Colour-coded blue for easy distinction of performance level (FFP1)

R10 FFP1 NR Particulate Respirator
Unvalved

CE 0194



Protection against:
- Fine dusts
- Water and oil-based mists

- Colour-coded blue for easy distinction of performance level (FFP1)



TOILET SYSTEM CLEANING / SANITIZING PROCESS

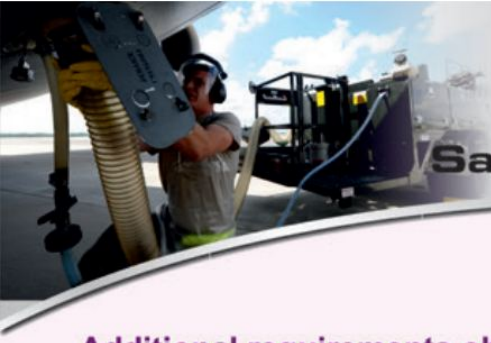
Passengers and cabin crew on board of an aircraft may be carriers of intestinal disease. Meticulous cleanliness of aircraft toilets, together with sanitary treatment, handling and disposal of toilet wastes, is therefore of the utmost importance.

Although toilets on modern aircraft incorporate a complex electrical flushing mechanism, a filter and a recirculating or vacuum system - in contrast to the simple portable container on earlier aircraft – they are still basically chemical closets and are provided with retention tanks.

The retention tank without the addition of any chemical would, in effect be a cesspool, simply holding sewage until the contents are discharged at the next airport. If any passenger using the toilet has an intestinal infection, there is a risk that the disease will be transmitted when the toilet tank is emptied. It is therefore advisable to use a chemical compound, which should satisfy the following requirements:

Aircraft Toilet Deodorants

1. In the presence of faeces and urine, it should be powerful enough at the recommended concentrations to kill pathogenic organisms within 15 minutes.
2. It should prevent the development of faecal and ammoniacal odors for at least 24 hours from the charging of the closet, and itself be free, charged or uncharged with organic matter, of any unpleasant or irritant odor, even at tropical temperatures.
3. It should have detergent properties and facilitate the cleaning of the closet after emptying.
4. It should be constant in formulation and composition, consistent in performance and stable in storage for 12 months at temperatures ranging between 1°C and 54°C (34°F and 130°F).
5. It should not corrode aluminum and its alloys (with or without phenolic finishes) or stainless steel: nor should it craze Perspex, Plexiglas and similar substances. Ideally, the formula should not contain zinc chloride.
6. As far as possible, it should not be permanently staining and should be easily washed off.
7. It should not irritate the normal human skin and mucous membranes; this is particularly important in tropical climates, where changes of sensitization are greater in susceptible individuals.
8. The diluted fluid should prevent the formation of obnoxious or explosive gases from excreta. It should not give rise to explosive or otherwise injurious gases at a pressure of 16.7 kPa (125mmHg) and at a temperature of 27°C (80°F), nor should the fluid have a flash-point lower than 66°C (150°F).
9. It should not cause the wastes, when disposed of after normal aircraft usage, to be detrimental to the correct biological working of sewage treatment plants.
10. The color of the diluted fluid, which should be distinctive and aesthetically acceptable in appearance, should, at all stages of use as recommended by the manufacturer, be such that other contents of the closet are obscured.
11. At the maximum dilution in a fully loaded toilet it should retain its bactericidal properties.



Additional requirements obtained with ACC 3300

- Product does not contain traditional quaternary ammonium compounds that may cause problems in waste water treatment installation due to weak biodegradability.
- No chloride that may cause corrosion on aircraft parts.
- Product not only kills bacteria but has powerful virus killing properties as well.
- The dye in ACC 3300 is not staining and doesn't penetrate through aircraft paint system (no blue streaks).

In-Flight servicing

In-flight additions of the toilet deodorant can be done by using ACC 3330. ACC 3330 is a powder that is packed in 20 mg sachets. This product can also be used for the initial charge when recharging from a vehicle is not possible.

In-Place Cleaning

Normal servicing of retention tanks does not always remove all the accumulated solids from the tanks, the tubes and around the flushing spray rings. It is therefore recommended by OEM that, after draining, the toilets should be filled to capacity with clean water and flushed. In addition, at intervals of 3 months the tanks should be filled with water containing a 1-2% heavy-duty detergent like ACC 3340 Disinfectant. The solution should be left in the system over night, or longer if possible. During this period the mixture should be agitated by operating the flushing mechanism. The tank should be drained and recharged in the normal way.

Above procedure is especially developed for recirculation system and due to the cleaning capabilities of ACC 3300 less critical.

To remove in-place the contaminants and scale in the vacuum waste tubes.

The following procedure is advised:

- Add appr. 2 liters of crushed ice to the toilet bowl.
- Add appr. 2 liters of ACC 3320 to the toilet bowl. Immediately flush the toilet until it is empty.
- Immediately add 4 liters of water to the toilet bowl.
- Flush the toilet to remove the cleaner from the toilet

When above in-place cleaning procedure is followed regularly, the time between overhaul of the toilet system is stretched considerably since scale and waste material will not have a chance to accumulate.

Toilet System Overhaul

Heavy maintenance of the toilet system means complete disassembly and cleaning of the whole unit. As previously mentioned, in order to eliminate the possibility of cross-infection, personnel engaged in toilet maintenance should wear protective clothing. Prior to the disassembly of the toilet bowl, disinfection of the areas around it would be advisable. ACC 3300 is the most powerful product to do this job. Product should be packed in special spray bottles.

The complete toilet system; bowl, tubes, pump, valves, etc. have to be flushed to remove the sludge and the scale that is embedded into the sludge by using ACC 3340, developed for this operation.

Cleaning of Tools

The tools used for disassembly of the toilet system should be thoroughly cleaned and disinfected as well. ACC 3340 in combination with ultrasonic cleaning is the most suitable process for this application.



Aircraft Total Health Safety and Hygiene Solutions

Product Group	Toilet deodorant and disinfectant **ACC 3300**
Description	ACC 3300 with a pleasant fragrance hides the less acceptable scents in toilets and kills a wide range of bacteria.
Characteristics	Easy to mix with water.
	Does not attack substrates used in aircraft toilets.
	Does not cause corrosion nor spots or stains on the substrates.
	Color shade indicates the concentration of the effective material.
	Adding the contents of special sachets gives the advised concentration.
	Leaves no deposits in toilet systems
Specification	AMS 1476B
Application	Mix 1-5 parts of ACC 3300 with 1000 parts of water by volume.
	Add the mix into the toilet.
	Mix 10 parts of ACC 3300 with 1000 parts of water by volume when operating in areas with epidemic diseases.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Avoid contact with the skin and in case of accidental spillage rinse with water.
	If swallowed only drink copious amounts of water or milk.
	Dispose of ACC 3300 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	12 Months/ 25 KG Pail

Product Group	Aircraft toilet descaler **ACC 3320**
Description	ACC 3320 acidic cleaner removes chalky residues from waste tubes in aircraft toilet systems.
Characteristics	Ready to use liquid.
Specification	AMS 1640C
Application	Add approximately 2 liters of crushed ice to the toilet bowl.
	Add approximately 2 liters of ACC 3320 to the toilet bowl.
	Immediately flush the toilet until it is empty.
	Immediately add 4 liters of water to the toilet bowl.
	Flush the toilet to remove the cleaner from the toilet.
	Make sure to flush the toilet immediately after adding the toilet cleaner to the toilet bowl as ACC 3320 is acidic.
	Do not allow ACC 3320 to affect the structure of the plane.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Avoid contact with eyes, skin and clothing.
	Contains ethylic acid.
	Do not drink/swallow.
	Protective clothing such as acid resistant gloves and goggles should be worn when handling this product.
	Dispose of ACC 3320 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at temperatures between 5 - 35°C.
Shelf life/Packing	24 Months/ 1 KG Can – Packed per 12



Product Group	Toilet deodorant and disinfectant in sachet form **ACC 3330**
Description	ACC 3330, a powder with a pleasant fragrance, that hides the less acceptable scents in aircraft toilets and kills a wide range of bacteria.
Characteristics	Easy to mix with water.
	Non corrosive to metal and plastics.
	Does not attack substrates used in aircraft toilets.
	Color shade indicates the concentration of the effective material.
	Adding the contents of special sachets gives the advised concentration.
Specification	AMS 1476B
Application	Add 100 grams ACC 3330 to 100 liters of water. Stir well
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Avoid contact with eyes, skin and clothing.
	Harmful if swallowed.
	ACC 3330 contains quaternary ammonium compound.
	Do not swallow.
	Use with adequate ventilation.
	Dispose of ACC 3330 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at temperatures between 5-35ºC.
Shelf life/Packing	24 Months/ 4 KG Bucket (Each Bucket contains 200 x 20 gr/Sachet)

Product Group	Cabin deodorizer, sanitizer and cleaner **ACC 3340**
Description	ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs as well.
Characteristics	Is a strong deodorizer with a pleasant fragrance
	Refreshes the air effectively.
	Safe on all metals and painted areas.
	Concentrated and very economical.
Specifications	AMS 1550B, Boeing D6-7127
Application	**Cleaner and Germicide:** Mix 1 part of ACC 3340 with 25-50 parts of preferably hot water by volume.
	Cleaner-sanitizer: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.
	Cleaner-deodorizer: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.
	For mopping floors: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.
	Apply ACC 3340 mixture to all surfaces by mop or clean cloth. Remove the ACC 3340 mixture and dirt. Let it dry.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Avoid contact with eyes.
	Do not swallow.
	Dispose of ACC 3340 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at temperatures between 5 - 35ºC.
Shelf life/Packing	24 Months/ 25 KG pail



AIRCRAFT CABIN
DEODORIZER, SANITIZER & CLEANER
IN FOAM VERSION

AirChem Consumables

ACC 3340
AIRCRAFT CABIN
Deodorizer, Sanitizer & Cleaner in Foam Version

AirChem Consumables

ACC 3340
TOTAL HYGIENE SOLUTION FOR AIRCRAFT CABIN



ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs.

Strong deodorizer with a pleasant fragance. Refreshes the air effectively. Safe on all metals and painted areas.

DANGER

Pressurized container: may explode if heated.
Causes severe skin burns and severe eye damage.
Harmful to aquatic life with long lasting effects.
Keep away from heat, sparks, open flames and hot surface - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: do not pierce or burn, even after use.
Avoid breathing spray.
Protect from sunlight.
Do not expose to temperatures exceeding 50°C/122°F.
Keep out of the reach of children.
Wear protective gloves and eye protection.
Contains 5% by mass of flammable components.
Contains nonionic surfactant and ethoxylated fat alcohol.



Lifetime: 3 years
UN 1950

Direction of use:
Shake ACC 3340 well. Spray on the surface to be cleaned & sanitized. Leave it on the surface for 20 seconds then wipe it off with sponge, cloth or soft bristle brush.

AMS 1550B
Boeing D6- 7127

AirChem Consumables
JAFZA 10, 10F14
P.O.BOX 261503, Jebel Ali FZ, Dubai, UAE
airacc@acc.ae
Tel: +971 4 881 8084
Fax: +971 4 881 6022

Cont. 500 ml 650 e 3

ACC 3340
AIRCRAFT CABIN DEODORIZER, SANITIZER & CLEANER

ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs

- Strong deodorizer with a pleasant fragrance
- Refreshes the air effectively
- Safe on all metals and painted areas
- Concentrated and very economical





AIRCRAFT CABIN CLEANER IN FOAM VERSION

AirChem Consumables

AirChem Consumables

ACC 2201
Aircraft Interior Cleaner

ACC 2201
Aircraft Interior Cleaner



Directions for use:

Shake **ACC 2201** well before use. Spray on the surface to be cleaned. Leave it on the surface for 20 seconds then wipe it off with sponge, cloth or soft bristle brush.

ACC 2201, effectively cleans all types of dirt from aircraft interior surfaces, seat leather, sidewalls, trays, painted and unpainted areas.

DANGER

Pressurized container: may explode if heated.
Causes severe skin burns and severe eye damage.
Harmful to aquatic life with long lasting effects.
Keep away from heat, sparks, open flames and hot surface - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: do not pierce or burn, even after use.
Avoid breathing spray.
Protect from sunlight.
Do not expose to temperatures exceeding 50ºC/122ºF.
Keep out of the reach of children.
Wear protective gloves and eye protection.
Contains 5% by mass of flammable components and ethoxylated fat alcohol.



Non Flammable
Non crazing to plexiglass
No high strength steel embrittlement
Improves paint lustre and leather look

AMS 1550B

AirChem Consumables
JAFZA 10, 10F14
P.O.BOX 261503, Jebel Ali FZ, Dubai, UAE
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Fax: +971 4 881 6022

Lifetime: 3 years
UN 1950

Cont. 500 ml 650 e 3

ACC 2201

AIRCRAFT CABIN CLEANER

ACC 2201, effectively cleans all type of dirt from aircraft interior surfaces, seat leather, sidewalls, trays,painted and unpainted areas



Air Chem Consumables

Airliners Catering Hygiene



ACC



Professional Cleaning Products

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Airliners Catering Hygiene

Air Chem Consumables



ACC Professional Kitchen Cleaning Products

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1 PATINA
SANITIZING DETERGENT

PATINA is a sanitizing salt-based detergent suitable to clean, deodorize and sanitize communities, working and plant areas. PATINA is particularly effective to eliminate trash deposit odours

PATINA is a neutral liquid, low foaming, rose-coloured, with a pleasant smell.

PATINA can be used with mops, towels, wipes or by spray application and is easy to rinse.

2 GLITTER
NTA FREE SCENTED LIQUID DETERGENT

GLITTER is a non-flammable water-based concentrated cleaning agent, safe on all unpainted and well cross-linked painted surfaces. It is safe on almost all metal including steel, aluminum alloys and zamak and on Plexiglas and other plastic materials. Should not be used on magnesium.

GLITTER is easy to rinse and leaves no scratches, stains or deposits on the surfaces. It is used diluted with water. It produces little foam and has a pinkish colour with a pleasant smell.

3 TERACLEAN
NO-FOAMING DECARBONIZER CAUSTIC DETERGENT

It is a caustic-based concentrated liquid formula, specifically studied to remove carbonate residuals and other residues, as well as particularly strong lime scale. It can be used in the engineering, transport, food industry, etc. to clean greases, annealed oils, scaling, protective films as well as some lacquers and paints.

It is a clear liquid containing caustic substances, organic sequestrants and corrosion.

It can be used by immersion procedure in hot tanks as well as by spraying or circulation equipment, based on the different existing machinery and plants. It can safely be used on iron, steel, stainless steel, bronze and copper. It cannot be used on aluminum and light alloys or zinc alloys.

inhibitors, with low foaming characteristics that allow to use it with washing equipment through spraying devices as well as chain washing booths. It can also be used to clean floor areas with washing and wash-and-dry machines, even because it does not cause pump cavitation. It does NOT contain phosphates.



4 D-FLOOR
PERFUMED QUICK EVAPORATION SURFACE SANITIZER FOR SWEEPERS



Perfumed and not foaming self-drying surface sanitizer for sweeper.
It leaves no residuals on mechanical pieces and it doesn't produce cavitation.
The products has a bactericide action on the residuals left in the reservoir.
It contains particular sequester agents, in a calibrated mixture of tension-active anionic and non-ionics, anti-redeposit.

The product can be used on each type of surfaces, varnished or not, tiles, marble, linoleum.

It has been studied for the sweepers use as, with the right dosage, it avoids cavitation in the pumps and eliminate trash deposit odors in the reservoir.
It doesn't leave the silicon residuals in the pouring pumps.

5 SHEEN
SCENTED LOW-FOAM DETERGENT FOR HARD SURFACES



SHEEN is a yellow liquid, water-based, lightly alkaline, that contains anionic and non-ionic surfactants, anti-deposit agents and penetrating additives for enhanced effectiveness.

It can be safely used on all surfaces, unpainted or painted, all types of fabric and their resistant colours, tiles, marble, linoleum, and furniture. Plastic parts, Plexiglas and artificial leather may be cleaned as well.

SHEEN is a liquid detergent with a pleasant lemon smell for multiple application like cleaning kitchen floors.

SHEEN has a very low foaming index so no need to be rinsed unless specifically necessary.

6 BRIGHT
CHLORINATED DISHWASHER DETERGENT



BRIGHT is a light yellow liquid detergent, formulated for dishwashers that have a water softening device.

BRIGHT also contains water softening agents just as precaution in case the softening device malfunctions.

it does not contain phosphates It can be safely used on all metals that are normally used in the construction of dishwashers and on all flatware and cutlery (colour variations on cheap decorated flatware and cutlery may be noticed).

BRIGHT contains whitening agents that make the removal of tea, coffee and other stubborn stains easier. It has a sanitizing action on all cutlery and flatware as well.

BRIGHT is of particular interest for hospitals, restaurants, hotels, etc., where hygiene is a very important factor.



7 BRIGHT ECO
CHLORINATED DISHWASHER DETERGENT



BRIGHT ECO is a chlorinated liquid, alkaline detergent for mechanic washing in tunnel dishwashers or basket dishwashers. BRIGHT ECO is a caustic product specially used in case of particularly visible dirty residues.

BRIGHT ECO contains water softeners, padding agents and free chlorine that has an effective sanitizing action during the washing cycle and preferably it should be used with automated electronic dispensers,allowing an accurate control.

BRIGHT ECO can safely be used on pots, cutlery, etc. It must not be used on aluminum.



8 BRIGHT HARD
DETERGENT FOR DISHWASHING MACHINE



BRIGHT HARD it is a light yellow liquid detergent formulated for dishwashing machines.
BRIGHT HARD is suitable to use with hard water and very dirty dishes.
BRIGHT HARD is a caustic product with a very high sequestration power that does not contain phosphates, the pH solution @ 1% is >12 and it produces very little foam.

BRIGHT HARD can be used in any kind of dishwashing machine (tunnel, cabinet, etc.) and any kind of dishes and vessels, glassware, pottery.

BRIGHT HARD must not be used on aluminium, galvanized materials and copper alloys.

9 BRIGHT G
SPECIAL GLASS WASHER DETERGENT



BRIGHT G is an alkaline chlorinated liquid product, specifically developed to wash glasses, cups, and flatware. It is formulated with caustics, water softeners and chlorinated agents for easy rinsing.

BRIGHT G has a high sanitizing action as well as a high power to remove persistent stains, like coffee and tea stains.
BRIGHT G is used to clean glasses, cups, and flatware.
It can be used in water with a hardness up to 300 mg/L as CaCO3.

10 DISHINE
HAND DISHWASHING CONCENTRATED DETERGENT



DISHINE is a concentrated viscous lemon scented detergent formulated to obtain a strong emulsifying action toward greases.

DISHINE is a neutral liquid and does not contain alkaline substances nor solvents so it may be used in the food industry. It does not leave greasy surfaces and it can be easily rinsed without leaving stains.

DISHINE is recommended for hand degreasing of dishes, cutlery, pottery, vessels, kitchen tops, equipment…

11 RINSEOUT
ACID-BASED RINSE ADDITIVE FOR GLASS WASHERS



RINSEOUT is a concentrated product developed as an additive for the final rinse cycle of the glass washers. RINSEOUT is an acid-based detergent with surfactants and adjuvants, with strong anti-foaming features to be used in all those cases where a quick drying of glasses, cups, etc. at the end of the washing cycle is required.

Particularly suitable for use with hard waters*.

12 CLEANAID
CONCENTRATED RINSE AID

CLEANAID is a concentrated, blue liquid to be used in a dishwashing machine during final rinsing, especially if stains appear because of hard water.

CLEANAID contains low-foam surfactants, softening components and highly concentrated rinsing agents.





13 OVENICE
DEGREASER FOR SELF-CLEANING OVENS



PRODUCT FOR PROFESSIONAL USE ONLY

OVENICE is an alkaline, concentrated degreaser for ovens with automatic cleaning systems. OVENICE may be used for the cleaning of the interior of the oven when hot or cold at the same time, prolonging the life time of the oven.

OVENICE removes stubborn stains including burned grease during a single cycle and it can be used with all the self-cleaning and conventional ovens.

14 OVENICE TAB
DETERGENT & SANITIZING POWDER TABLET FOR SELF-CLEANING OVENS



It is a caustic formulation studied for the cleaning phase inside the professional self-cleaning ovens.
It has an energetic decarbonizing action on cooking residues and integrates the cleaning action with the disinfectant one by destroying odors and bacteria.

The tablet must be dissolved in an appropriate way so that it can be effective on the treated areas. For this reason it is recommended a water temperature of at least 85°C to complete its phase of dissolution.

15 CARBOFF PLUS
LIQUID DEGREASER DETERGENT FOR OVENS AND GRILLS



CARBOFF PLUS is a liquid detergent formulated to manually remove cooking residuals of sauces, oils, etc. from ovens or grills. It has an effective cleaning and descaling action.

CHARACTERISTICS:

- Clear, slightly viscose liquid
- NON flammable
- Easy to rinse
- Completely biodegradable
- Caustic

Suitable to clean OVENS, GRILLS, HOT PLATES etc.

It removes dirt and eliminates bad odours.

16 FRYFIX TAB
CLEANING TABLETS FOR PROFESSIONAL FRYERS



Cleaning tablets for degreasing and decarbonizing professional fryers and baskets for deep fryers with surfaces in stainless steel.

FRYFIX TAB quickly removes oils and carbonized grease from the fryer surface leaving it cleaned and sanitized.

The sanitizing action avoid the bad odors deposit caused by the bacterial action.

Use it periodically to obtain a stronger action.

It is safe on iron, steel, stainless steel, bronze, copper.

Do not use on aluminum parts.



17 SANTEX
DEODORANT, CLEANER & SANITIZER NOT SCENTED



SANTEX is a cleaning, sanitizing and deodorizing agent. SANTEX destroys the source of many annoying odors leaving the air cleaned and safe on all surfaces not in contact with water.

SANTEX can be used on all hard surfaces, equipment of the workplace, in hospitals, restaurants, canteens, schools, factories, food industries, etc.
SANTEX removes in depth, quick and safe, all kinds of dirt, grease, sand, soap deposits and stains and is effective in both hot and cold hard water.



18 SHINEX
CONCENTRATED DEGREASER, WITH SANITIZING ACTION



SHINEX is a water based, NTA free, super-concentrated, strong degreaser for general purpose application. SHINEX has a pleasant smell, is non-flammable and combines the cleaning and sanitizing action producing a limited amount of foam.
SHINEX may be used to clean and sanitize all equipment, Plexiglas, unpainted and painted surfaces, and metals, including steel aluminum and in particular stainless steel.
SHINEX is specially developed for use in restaurants, public places, communities, hotels, schools, shelters, etc.

SHINEX removes dirt, dust, oily films, grease, light carbon deposits.
Well rinsed it does not leave scratches, stains or deposits on the surfaces.
Mixed with water disposal and discharge problems are minimized.

19 CIDE
BROAD-SPECTRUM SELF-DRYING SURFACE SANITIZER FOR THE FOOD INDUSTRY



CIDE is a liquid formula with quick evaporation to sanitize surfaces and machinery in the food industry. It does not require rinsing.

It is used on surfaces and machinery that have been previously cleaned, but for different reasons have not been used for some time. For example: after a vigorous evening cleaning, it can be used the day after before the first shift starts. It is formulated with multiple active principles working against a big number of microorganisms, pathogen bacteria and not, gram-positive and gram-negative, yeasts, mould/mildew, and its effect is unaffected even when organic dirt is present on the surfaces.

It can be used in the food and beverage industry, as well as for community and common-living areas, lin the medical/hospital sector, in farming and industrial areas, in order to sanitize surfaces and machinery such as filling machines, ovens, etc. It can be used on stainless steel, aluminum alloys, copper alloys, nylon, plastic materials, tiled surfaces, cement.

20 BURNISH
CONCENTRATED LIQUID DETERGENT



BURNISH is a liquid alkaline detergent with controlled foam formation. Safe on all well-set painted and unpainted surfaces as well as on metals, many plastics like melamine, artificial leather, Plexiglas, etc. Easy to rinse and no residues or stripes deriving from water hardness.
BURNISH removes dirt, dust, protective oily film greases, light carbon residues, smog from transportation vehicles, working machine exterior structures, general containers, aluminum panels etc.





21 GLAZER - RA SPRAY
POLISHING DETERGENT FOR STAINLESS STEEL



GLAZER is an anti-static spray that is particularly suitable to clean stainless steel but it can also be successfully used on plastic, formica, porcelain, chromium-plated aluminium and silver substrates.

GLAZER is suitable for cleaning and polishing kitchens, refrigerators, doors and interiors of elevators.

22 GLEAM
DETERGENT FOR GLASS AND CRYSTAL SURFACES



GLEAM is a liquid alcohol-based detergent developed to clean glass and crystal surfaces that can also be used on steel, stainless steel, painted and laminated surfaces etc.
GLEAM is also used to clean ceramic and lead marble floors and similar surfaces when they are not particularly dirty and a cleaning action without rinsing is required. At the same time it gives back the shiny aspect to the treated surface.

GLEAM eliminates traces of grease, oil, atmospheric dirt, dust, light soot spots, etc.

GLEAM is NOT flammable and has a pleasant smell.

GLEAM evaporates fast. It contains special components to prevent the re-accumulation of dirt and to remove stubborn dirt.

23 FRESH HAND
LIQUID SCENTED HAND SOAP



FRESH HAND is a liquid hand wash soap containing a mixture of surfactants, and softeners to condition the skin, ensuring clean and protected hands. It is a neutral product and can be used repeatedly without drying effects on the skin.

FRESH HAND can be used with dispensers to avoid the hygienic handling of promiscuous soap.

FRESH HAND is suitable for restaurants, fast foods, hotels, bars, offices. It is a viscous liquid, pearly white, pleasantly scented.

24 CLEAN HAND
SANITIZING LIQUID HAND SOAP



It is liquid hand wash soap with sanitizing action formulated with a calibrated mixture of surfactants, softeners and conditioning the skin, which ensures clean hands and protect them.

It is a neutral product and can be used repeatedly without drying effects on the skin.

It is a viscous liquid, a neutral colored, not scented.

It is used in the Kitchens, Hospitals, and Communities.

It can be used with dispensers that exceed the problem of hygienic handling of promiscuous soap.

25 DETROGEL
SANITIZING GEL FOR HANDS



The product is used for fast sanitizing and safe washing hands without rinsing.
The product is ready to Use.
Spray the product on your hands, rub thoroughly and let dry without rinsing. The above operation ensures a high level of hygiene.

26 COFFEE CLEAN
DETERGENT AND DESCALER FOR COFFEE MACHINE FILTERS



PRODUCT FOR PROFESSIONAL USE ONLY

Detergent powder with descaling action designed to remove organic and limestone residuals from coffee machine filters.



27 SCALEOFF
INHIBITED DESCALER – DEOXIDIZER

SCALEOFF is a light pink coloured acid liquid, containing inhibitors which prevent the solution from attacking the substrates. It is developed for the removal of calcareous scales
SCALEOFF can be used as a deoxidizer without prior cleaning/degreasing except in case of tenacious grease deposits.
SCALEOFF maintains the operation of dissipating equipment, it removes scale from radiators and at the same time deoxidizes metallic surfaces.
It can be used by immersion or recirculation, also in vapour generators even at high temperature.
SCALEOFF is far less corrosive on steel, brass, copper and the majority of metals compared with muriatic acid and other acid normally used in de-scalers.
After SCALEOFF operation parts must be rinsed.





28 SCALEOFF GEL
DESCALER, DETERGENT, SANITIZER



It is a viscous and scented product with a triple-action:

- Detergent
- Sanitizing
- Descaling

Formulated to meet with cleaning needs in the toilets of communities public areas, food industries etc.., offices to simplify maintenance operations.

It is formulated with buffered acids, surfactants and calibrated sanitizers specifically active towards a broad spectrum of bacteria.

With one step, ACCICAL removes limescale residues, mineral stains, dirt, grease, etc.. and destroys the bacteria that lurk in the dirt.

It is used to clean and descale ceramic, porcelain, glass of toilets and can be used on stainless steel, chrome parts, aluminum parts, showers, etc.

29 DRAIN CLEANER
CAUSTIC DRAIN UNCLOGGER



It is a product to unblock obstructed drains of any shape, size or material.

It attacks, dissolves, removes and completely cleans drains from grease, organic deposit, cloths, soap residua, paper residua and many other type of problematic obstructions, reinstating the normal flux of drain liquids.

It's enough to pour the necessary quantity in the drain, following directions and precautions here described.

It is a caustic liquid, with strongly alkaline PH that contains activators and detergents to increase its unclogging speed.

It doesn't in any way damage tubes, connectors, and steel, copper, PVC or rubber accessories that are present in the equipment.

It is very easy to use.



Air Chem Consumables

Aircraft Interior Materials



B.I.C. AIRCRAFT DIVISION

B.I.C.-Carpets (Belgian International Carpets) was established in 1956.

Our Aircraft Division, has been manufacturing aircraft carpets for over 40 years for civil and commercial aviation.

With different looms available, we can produce a wide range of high quality aircraft carpets.

All qualities meet the FAA/FAR directions as well as ABD 0031/BMS 7238/39 standards.

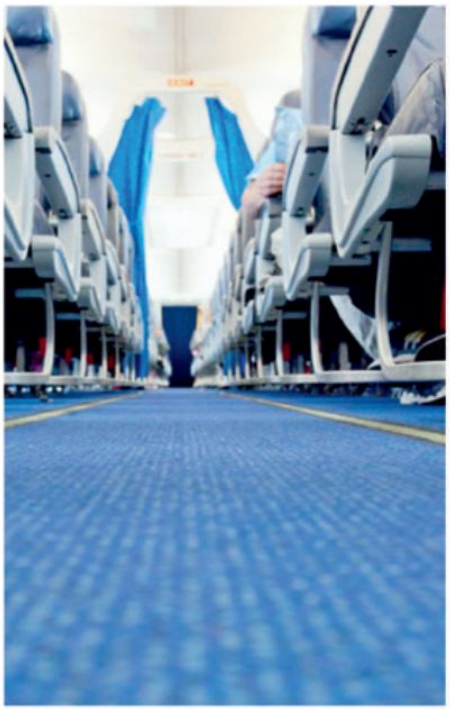
Our qualities are made of the finest wool including a Bekinox anti static fiber to reduce the electrostatic charge.

The recognition for these important basic values was ensured when the company obtained the EN 9100/AS 9100 certificate, a quality label that gives the company's employees recognition for their design, development, production and sales skills.

The production includes both 1,2 and 3 frame looppile products and also cut and loop various constructions.

Normal standard carpets with even and / or stranded threads are made as well.

B.I.C.-carpets has advanced CAD design facilities, so the customer gets exclusive pattern, colours and carpets.



Discover our range of ultra light weight carpet

A new ultra lightweight carpet is being introduced.

B.I.C.- Carpets sets the first steps with a revolutionary carpet. This carpet boast a significant difference in weight compared to standard carpet. "The ultra lightweight carpet is 1050 grammes per square metre compared to1800 for standard carpet".

B.I.C. is aware of the tough competition and has stepped up the game and made the carpets look different to traditional ones and increased the strength and durability of its products.

"We have run methods of testing for burning behaviour, anti static, colour and surface appearance to determine changes in appearance of textile floor coverings. "We found besides ultra light weight coverings, which are non - carpet, our carpets can deal with tough stains as well as absorb dirt and dust.

We have worked hard in developing these new programs and look to help airlines that care about fuel burning savings and that focus on cost efficiency.

By using Bic Ultra Light Weight carpet will airlines not only save money on fuel but also on the cost of purchasing carpet:

1. Fuel saving cost: The weight reduction of the Bic carpet compared to the average aviation carpet is 700 gr/ m2.
Considering that every kg cost about €120 in fuel per year will the Bic carpet result in the following fuel savings per year : B737 / A320 : +/- 104 sq/m2 of carpet x 0,7 kg weight saving x €100 = € 7.280 per aircraft per year in fuel savings.

2. Savings in carpet cost: The Bic Ultra Light Weight carpet is about 25 % cheaper compared to traditional aviation carpet.

B.I.C. Carpets is an EN 9100 certified company.

Certificates

It's very important to invest in Quality Management and Quality Control.

At B.I.C.-Carpets we invest a lot in continuous research.

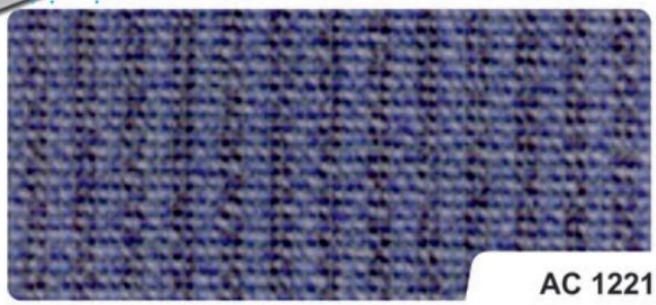
We're very proud to announce that B.I.C.-Carpets holds the EN 9100/AS 9100 certificate.


BUREAU VERITAS Certification

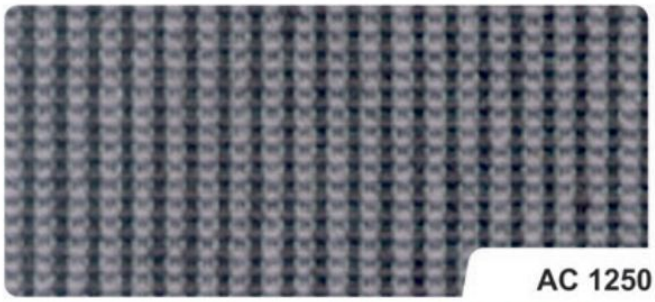
B.I.C CARPETS

EN 9100:2009
AS 9100C - JISQ 9100:2009

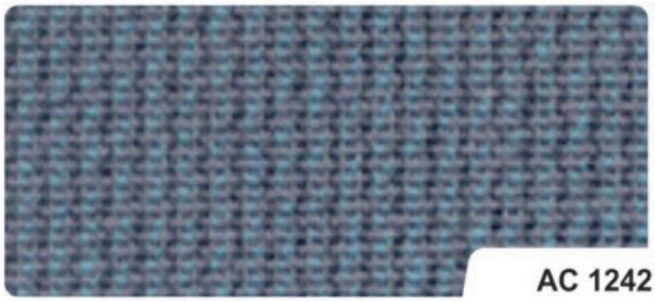
PRODUCTION AND SALES OF HIGH QUALITY WOVEN AIRCRAFT CARPET.



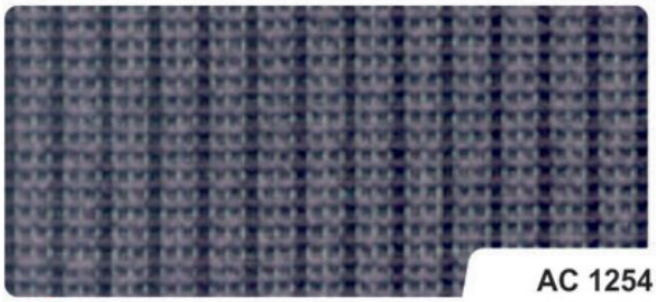
AC 1221



AC 1250



AC 1242



AC 1254

Technical data

Pile composition

100 % new virgin wool and antistatic fibres

Backing

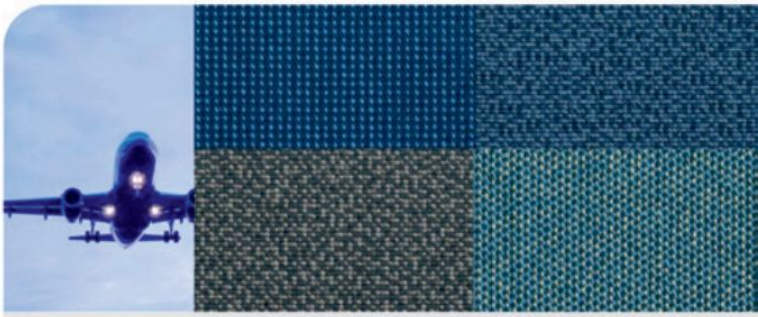
synthetic latex, flame retardant

Pile weight : ± 430 g/sqm	ISO 8543-EN 1307
Total weight : ± 1050 g/sqm	ISO 8543-EN 1307
Pile height ± :1,5 mm	ISO 1766
Total height : ± 3 mm	ISO 1765
Knots : ± 89.600/sqm	ISO 1763
Construction: 1-frame carpet	ISO 2424

Burning behaviour

FAR 25.853(a) App.F part I (a)(1)(ii) : last issue

Electrostatic behaviour	< 2 kV	ISO 6356
Dimension stability	<=± 0,5%	ISO 2551
Standard width	400 cm or 200 Cm	ISO 3018



High Quality Aircraft Carpets

Extra durability resulting in fewer changes of carpet in the cabin.

These products are developed with special attention to durability, design and color to ensure a top quality carpet.

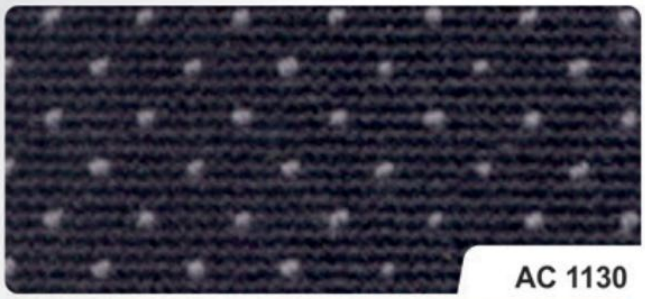
We made the carpet stronger without increasing the total weight of the product.

Airlines will make considerable savings because they need less carpet to purchase and to install.

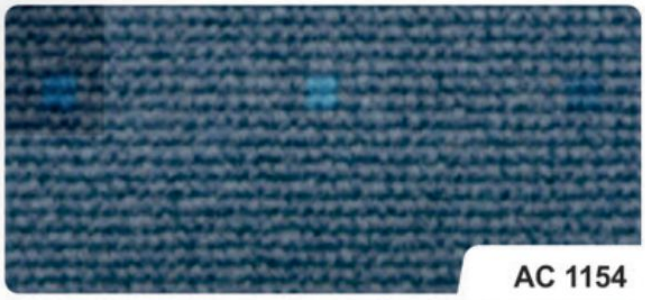
Furthermore will there be less carpet to dispose of and will more passengers enjoy a clean and nice carpet.

CARPETS

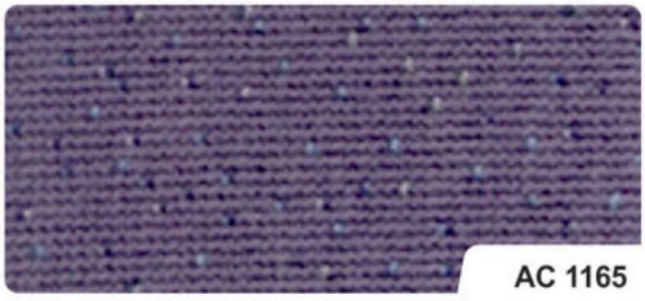




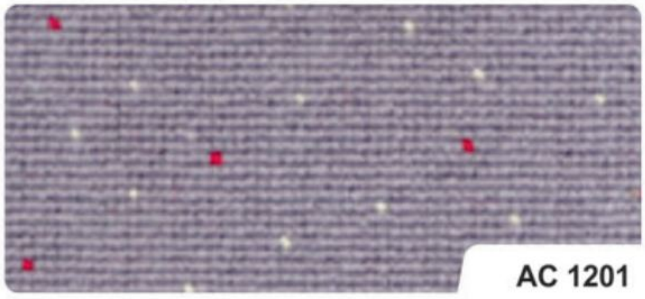
AC 1130



AC 1154



AC 1165



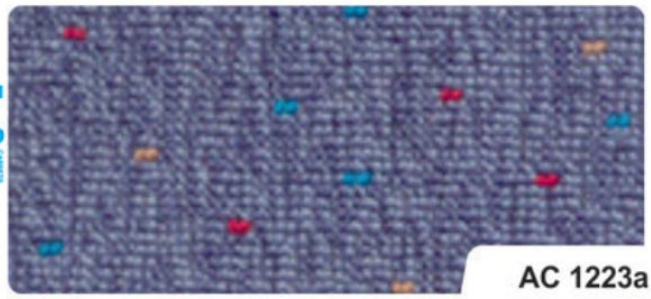
AC 1201

Pile composition
100 % new virgin wool and antistatic fibres

Backing
synthetic latex, flame retardant

technical data

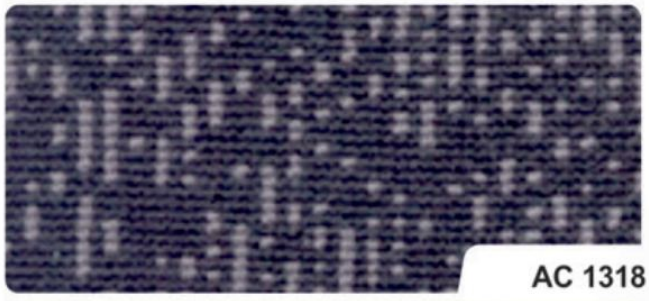
Pile weight : ± 977 g/sqm		ISO 8543-EN 1307
Total weight : ± 1600 g/sqm		ISO 8543-EN 1307
Pile height ± :± 2 mm		ISO 1766
Total height : ± 4 mm		ISO 1765
Knots : ± 102.400/sqm		ISO 1763
Construction: 2-frame woven carpet		ISO 2424
Burning behaviour		
FAR 25.853(a) App.F part I (a)(1)(ii) : last issue		
Electrostatic behaviour	< 2 kV	ISO 6356
Dimension stability	<=± 0,5%	ISO 2551
Standard width	200cm	ISO 3018



AC 1223a



AC 1231



AC 1318



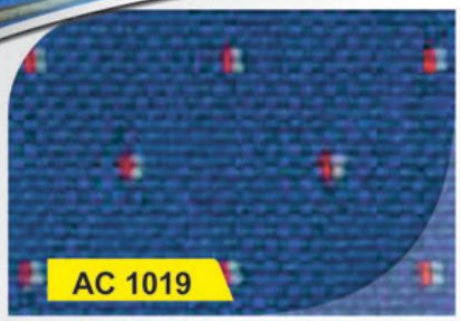
AC 1238

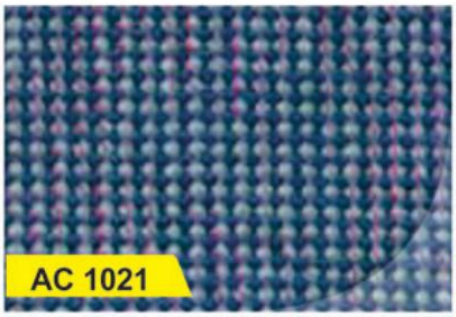
Pile composition
80% virgin wool and 20 % nylon and antistatic fibres

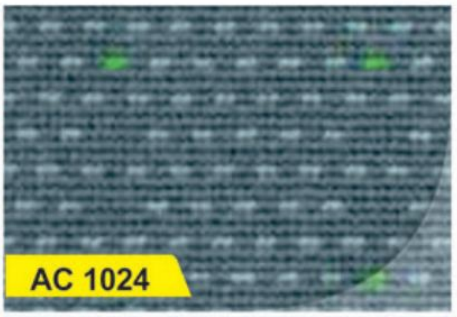
Backing
PES/cotton + synthetic latex, flame retardant

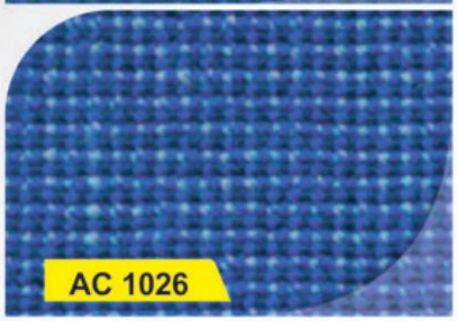
technical data

Pile weight : +/- 1100 g/m²		ISO 8543-EN 1307
Total weight : +/- 1860 g/m²		ISO 8543-EN 1307
Pile height ± :+/- 3.0 mm		ISO 1766
Total height : +/- 5.0 mm		ISO 1765
Knots : +/- 128.000/m²		ISO 1763
Construction: 2-frame woven carpet		ISO 2424
Burning behaviour		ABD 0031 smoke density toxic components (on request)
FAR 25.853(a) App.F part I (a)(1)(ii) : last issue		
Electrostatic behaviour	< 2 kV	ISO 6356
Dimension stability	<=± 0,5%	ISO 2551
Standard width	200cm	ISO 3018

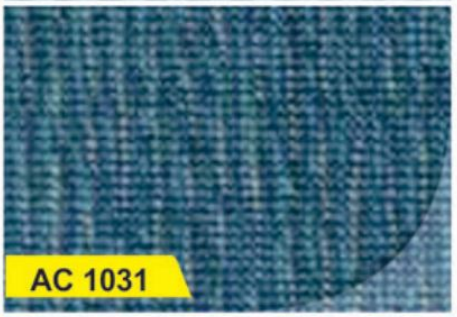

AC 1019


AC 1021

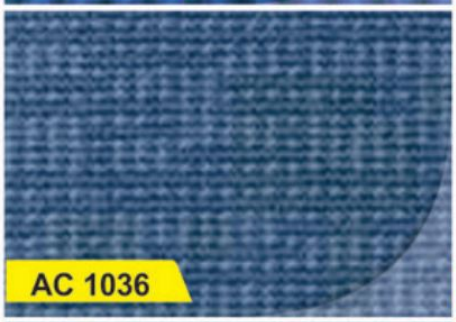

AC 1024

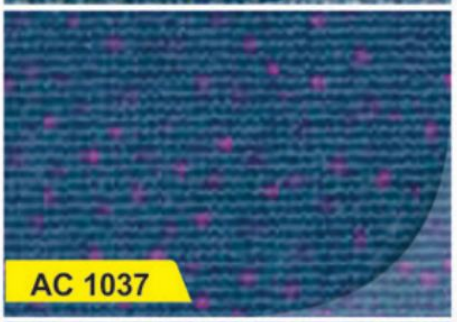

AC 1026

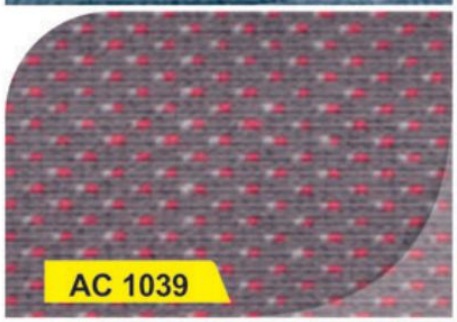

AC 1028

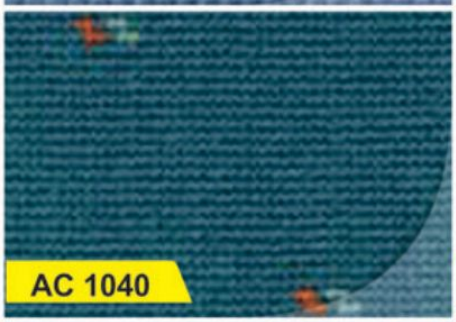

AC 1031

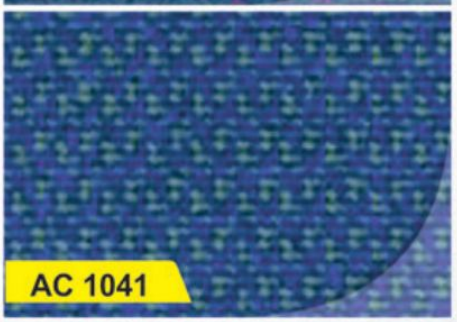

AC 1033


AC 1036

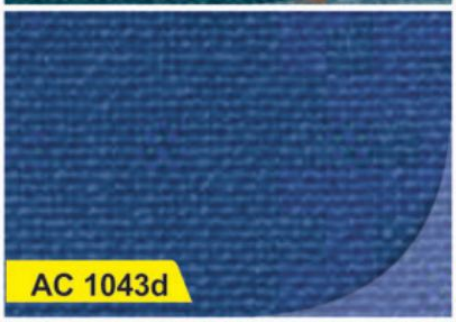

AC 1037


AC 1039


AC 1040

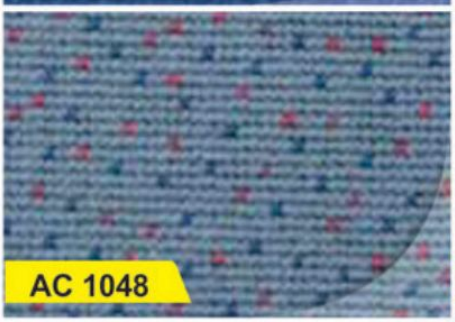

AC 1041


AC 1043


AC 1043d

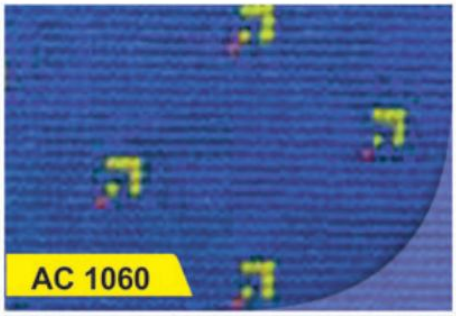

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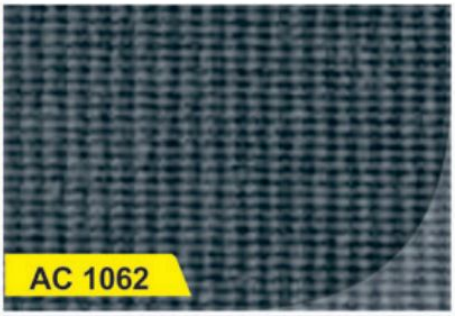

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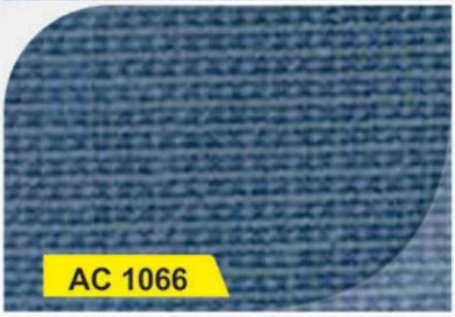

AC 1048


AC 1054

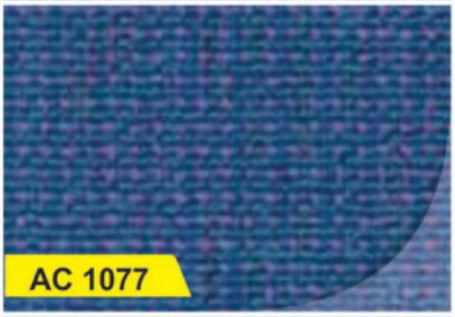

AC 1059


AC 1060

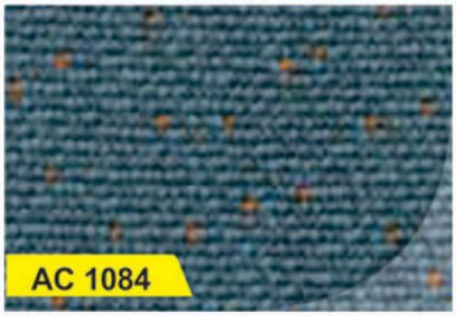

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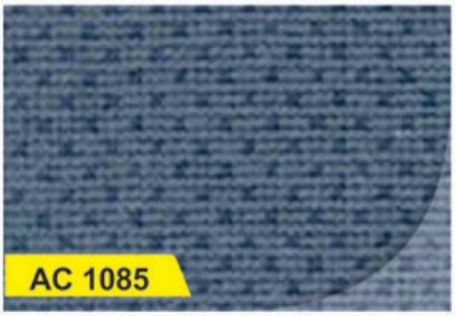

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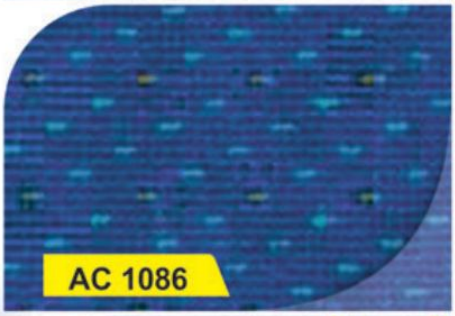

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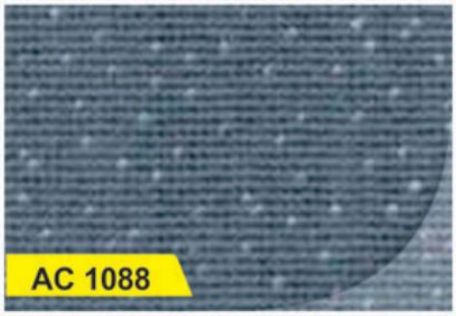

AC 1077


AC 1083

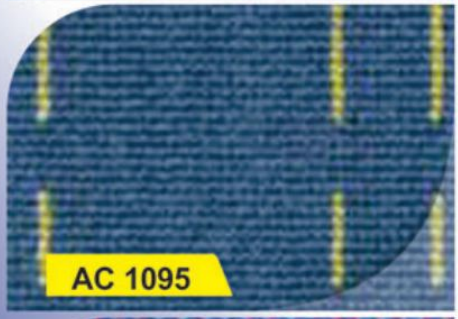

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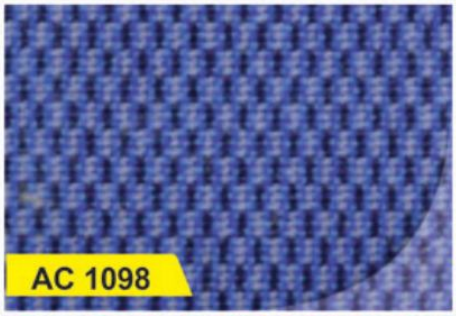

AC 1085


AC 1086

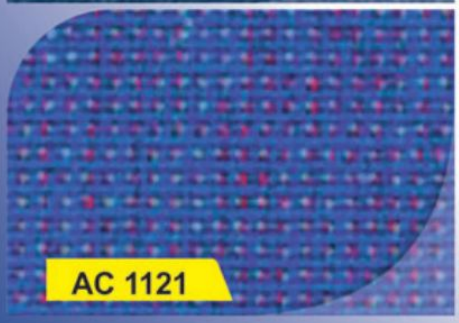

AC 1088

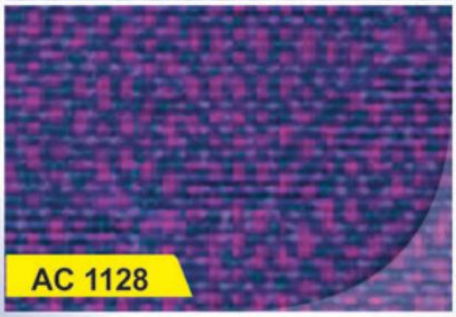

AC 1094


AC 1095


AC 1098

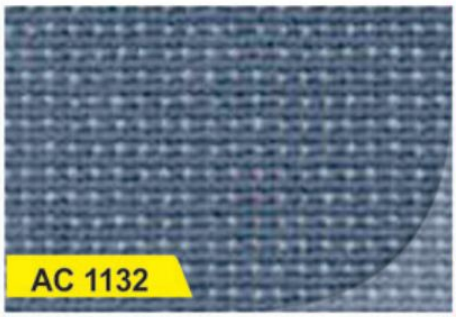

AC 1100


AC 1121


AC 1128

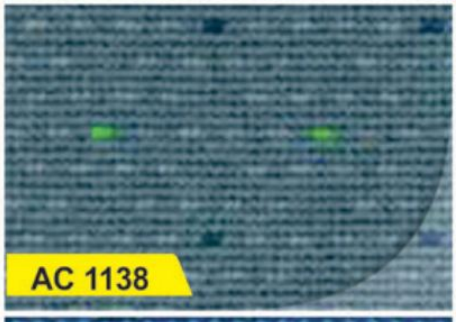

AC 1130


AC 1131

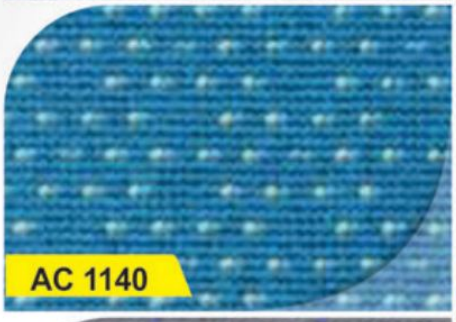

AC 1132

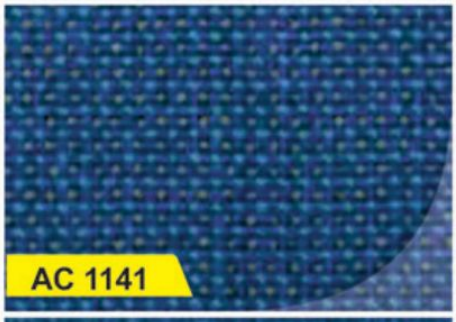

AC 1135

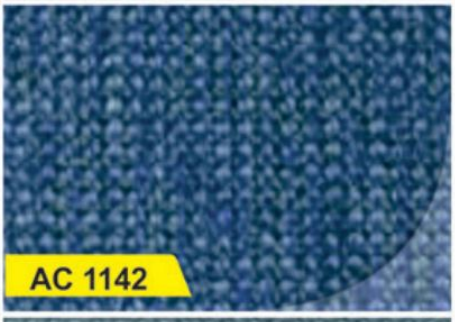

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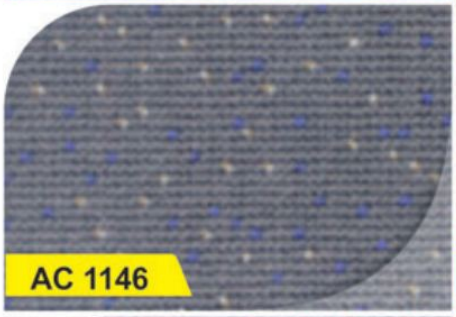

AC 1138


AC 1139

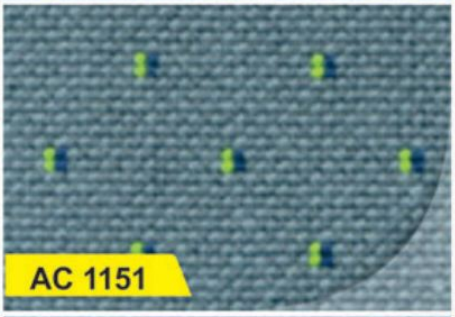

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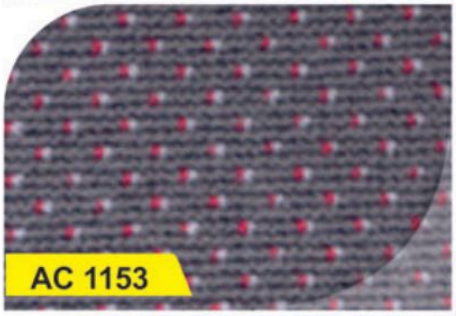

AC 1141

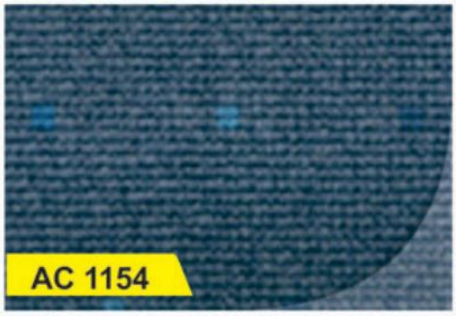

AC 1142

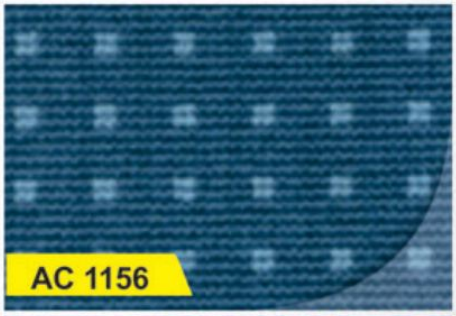

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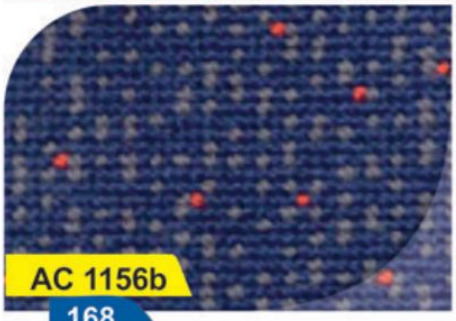

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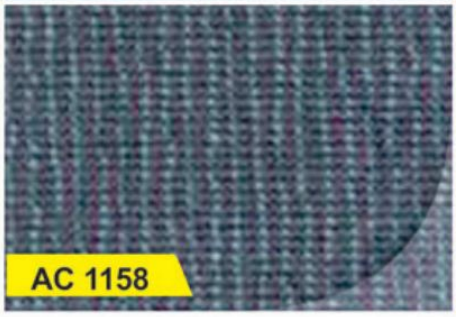

AC 1151

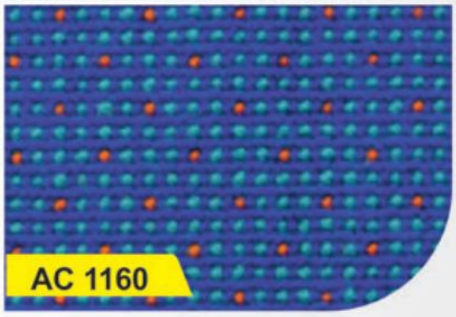

AC 1153


AC 1154


AC 1156

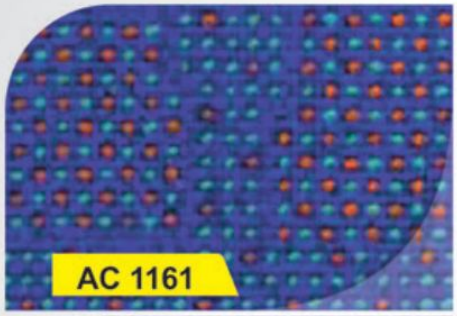

AC 1156b

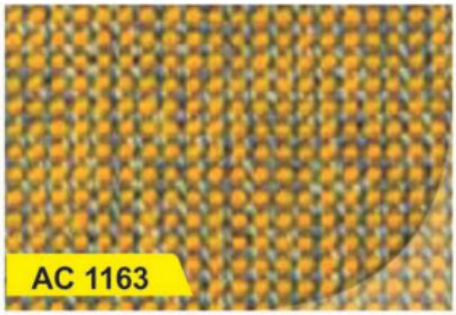

AC 1158

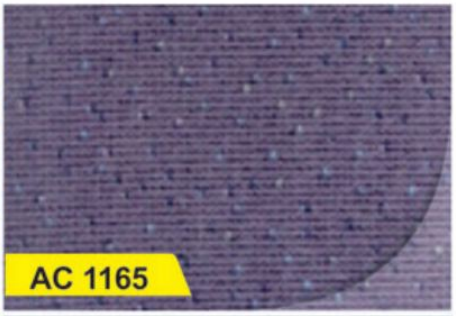

AC 1160

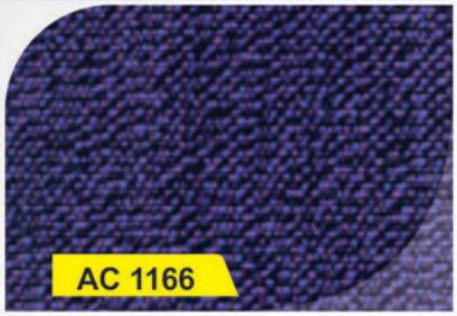


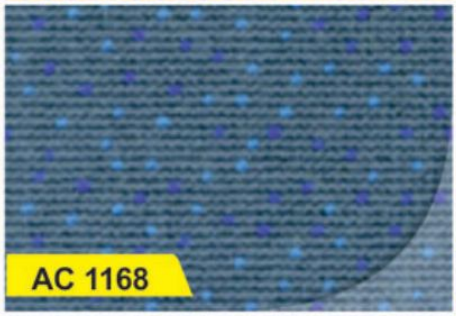
AIRCRAFT CARPETS





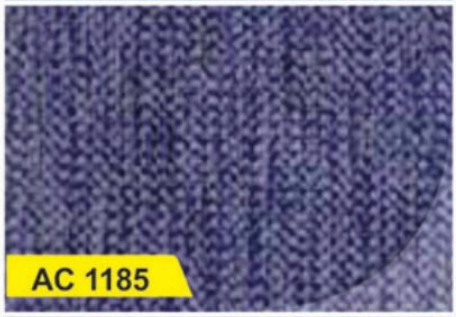




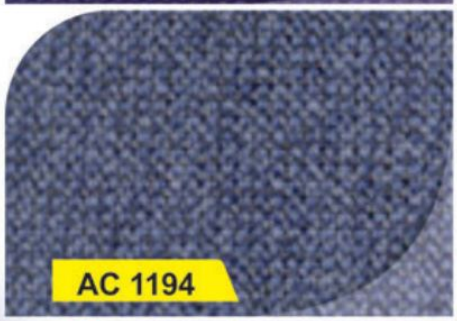


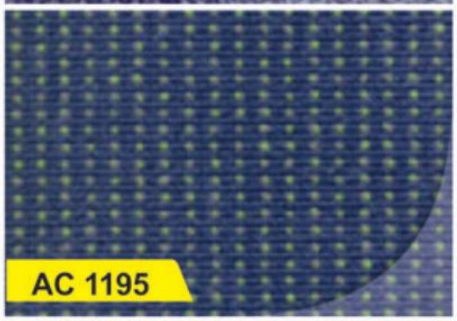


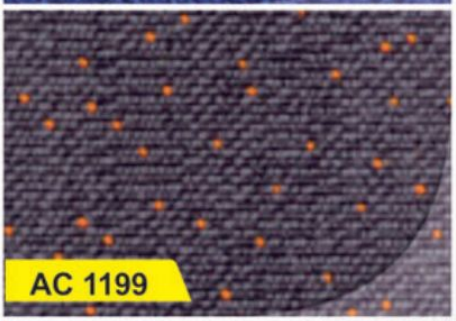


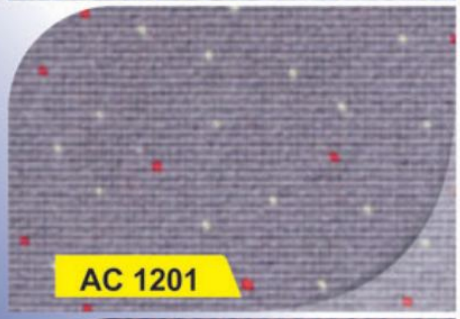


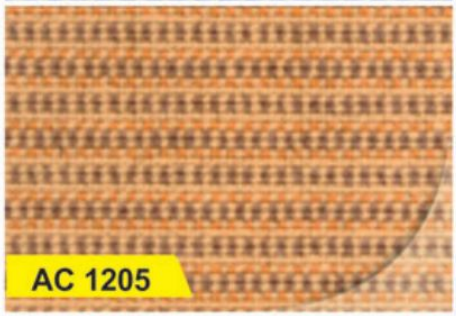




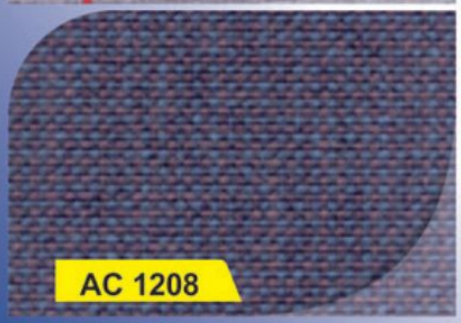


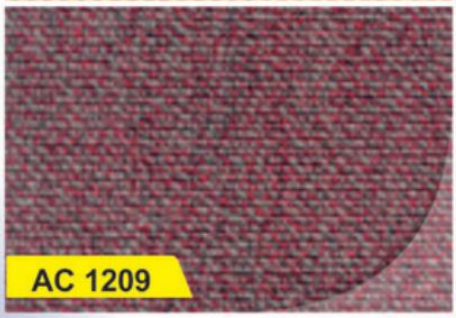










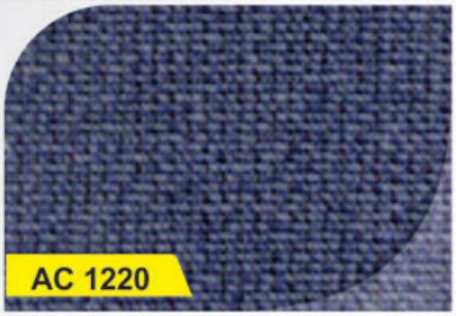




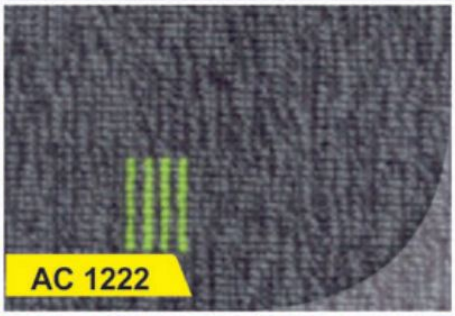

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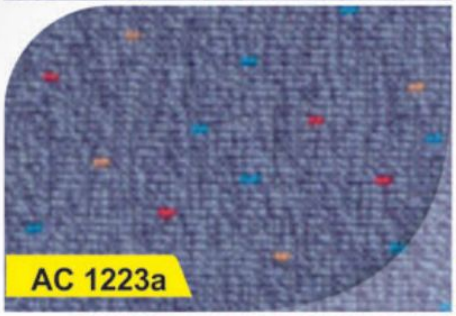

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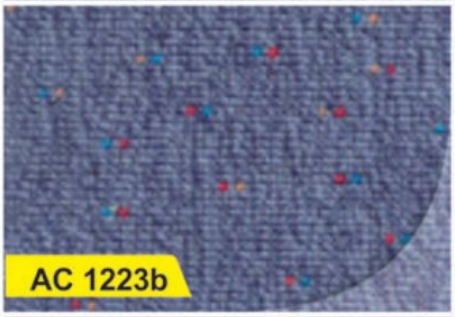

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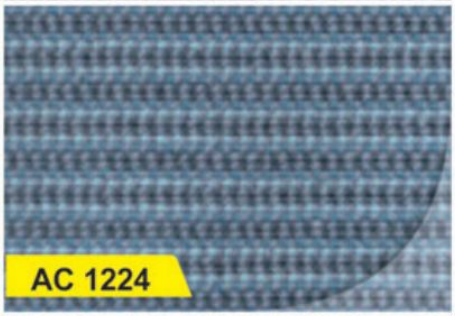

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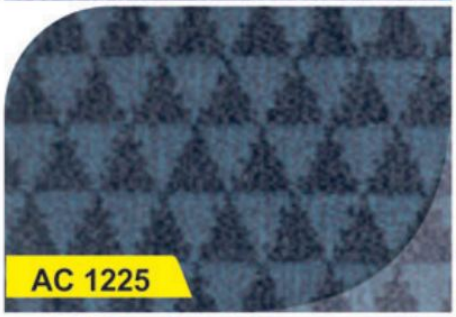

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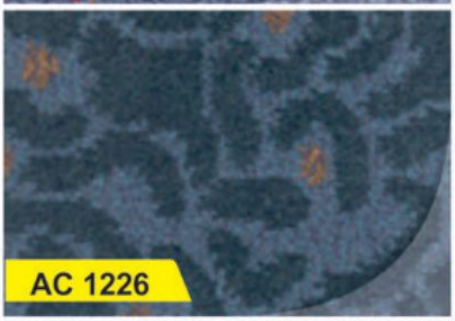

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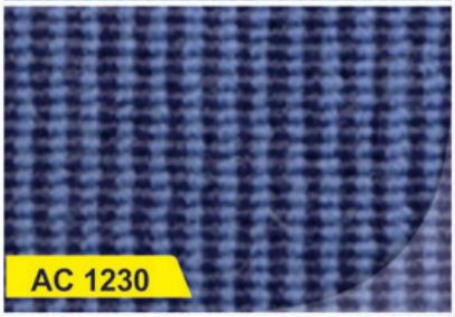

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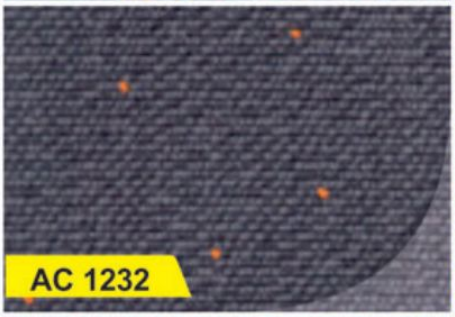

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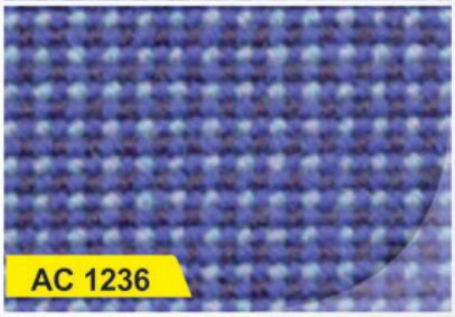

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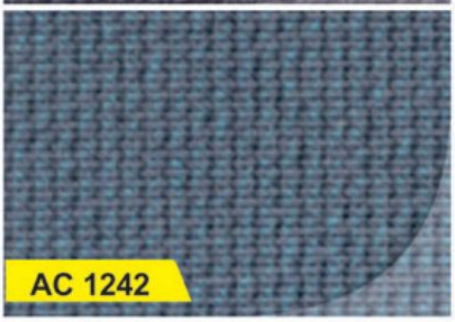

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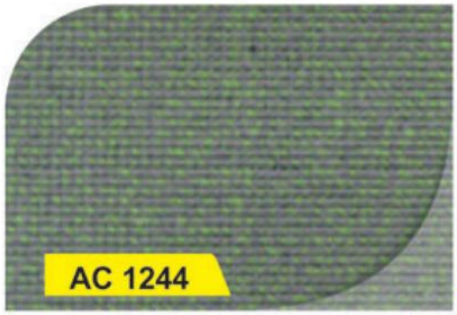

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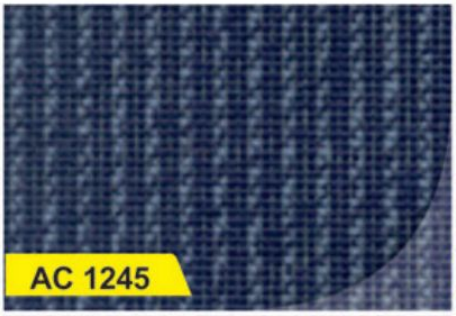

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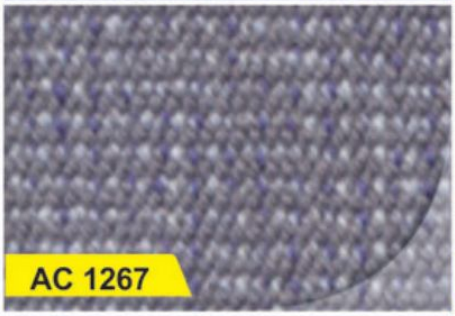

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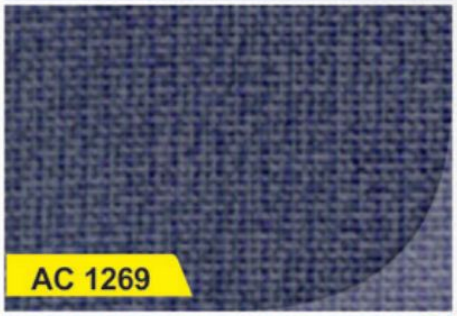

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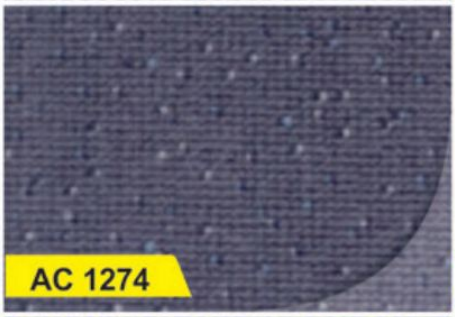

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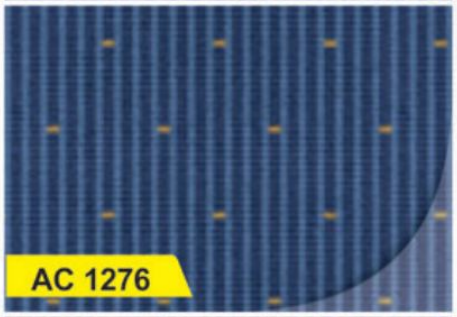

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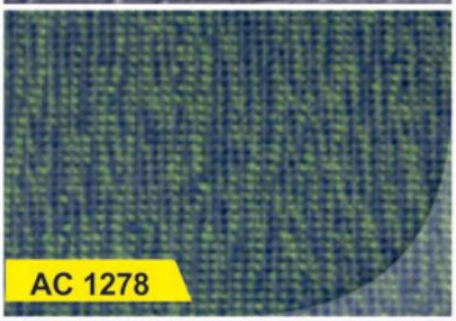

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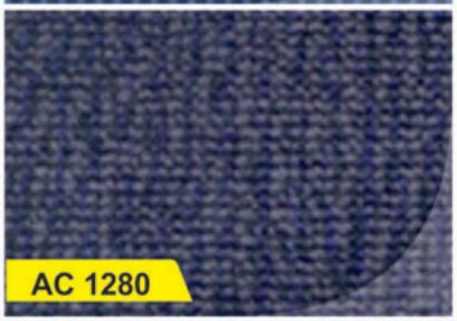

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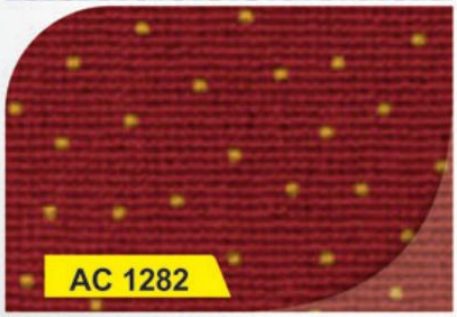

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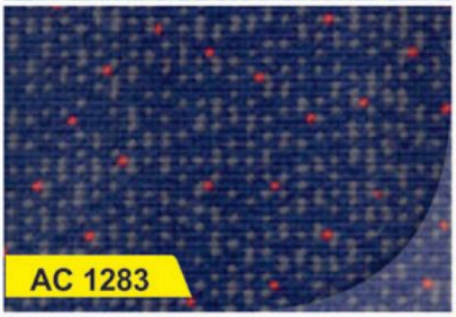

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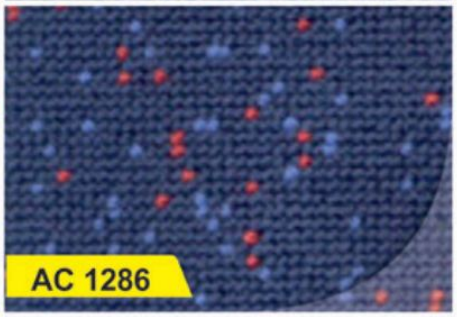

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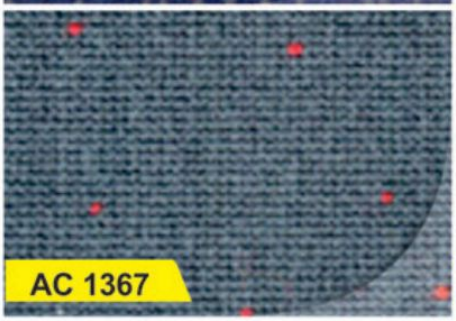

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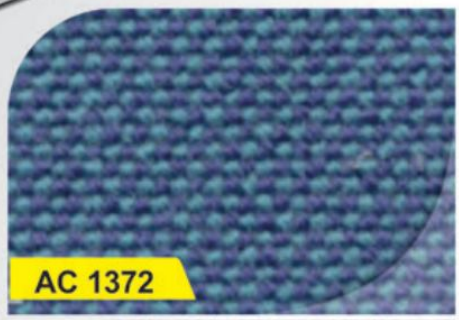

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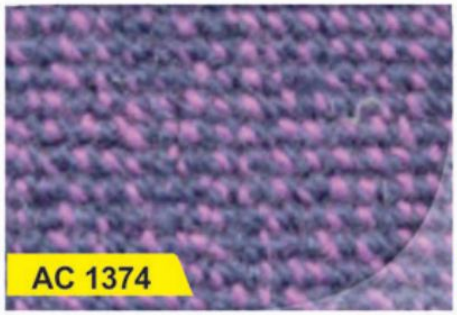

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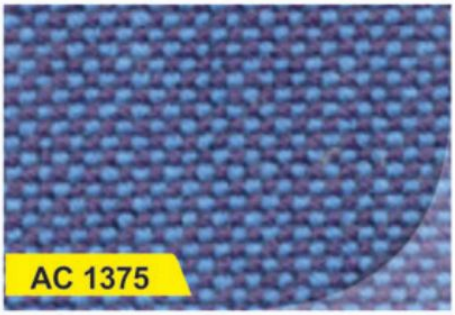

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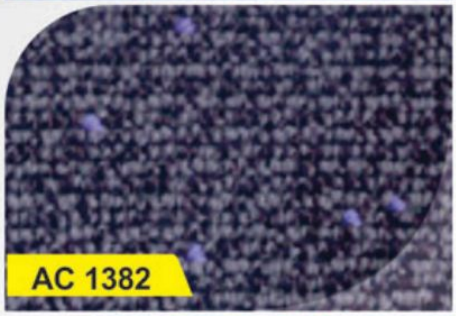

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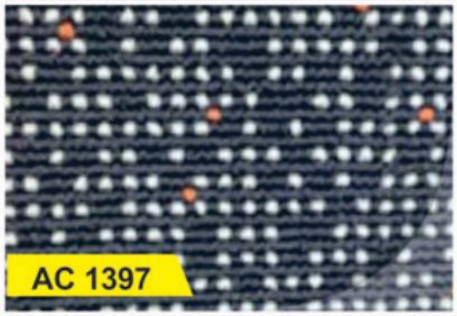

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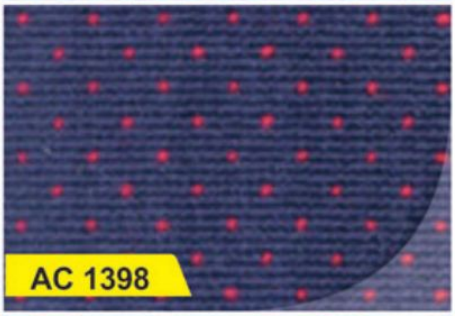

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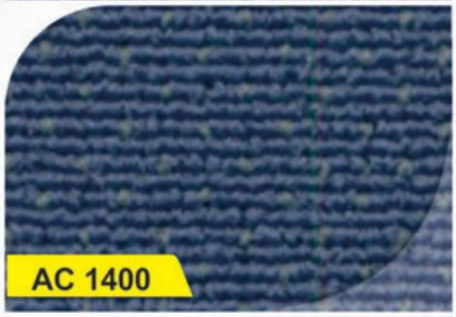

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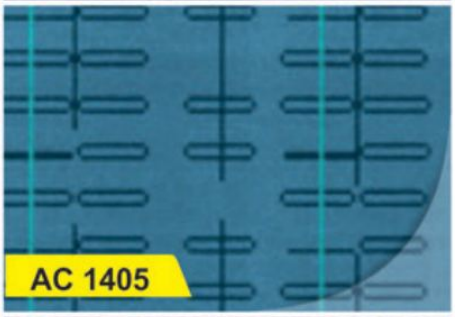

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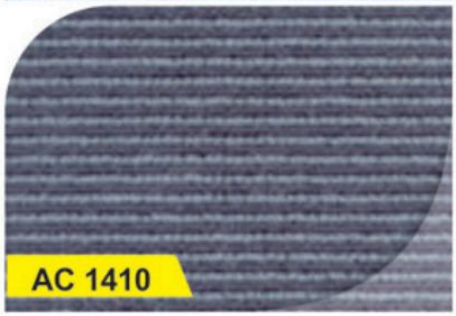

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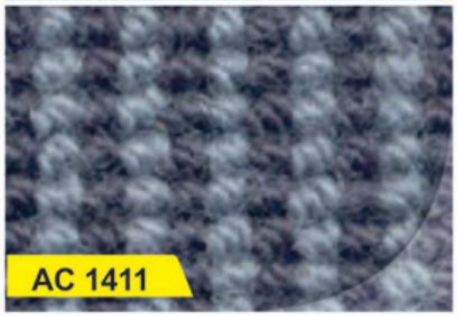

AC 1405


AC 1406


AC 1407


AC 1408


AC 1410


AC 1411


AC 1412



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Certification

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- Seat fabrics
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- Nomex wall covering decorative fabrics
- Wilton carpets
- Genuine and synthetic leathers
- Fire barriers and foam protections in a Variety of different materials and forms

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- Smoke density and toxicity test
- Oil burner combination test.









Testori activities are focused on the development of new products including a range of fire barriers and foam protections.
A variety of products are offered to customer to choose from in order to satisfy their production and technical requirements.
Those products differ in terms of:

- Production technique: woven products, felts, stretch fabrics and scrims
- Composition: Nomex, Kevlar, meta/para-aramid and FR cotton
- Use: lamination with decorative materials, bonding and sewing
- Weight: from ultra-lightweight to standard weight materials (range: 80 to 400 grs/sqmt)

An innovative lightweight carpet made of 100% ECONYL® loop which is a fully upcycled nylon yarn is also provided.

This product combines eco-compatible features together with durable materials resulting in a total weight of 1200 grs/sqmt.

PU faux leather which is fully compliant with the aviation specifications is developed as well.

The product is available in a range of different colours and can be customised by choosing from a series of surface textures in order to match the appearance of the cabin and harmoniously blend in, with the other furnishings.

The product can also be laminated with fire barriers or foam in order to guarantee seat comfort, while considerably reducing the weight and thickness of the seat cushions.





Requirement of Airliners from Suppliers
Requirement of Manufacturers from Distributors

CERTIFICATE

Certificate Number: **2980002**

This is to certify that

Airchem Consumables FZCO
HO + Site1: LOB 10, Office # 10F14, 1st Floor,
Jebel Ali Free Zone, Dubai, UAE
Site 2: Airchem Consumables BV
Meer en Duin 311, 2163 HE Lisse, The Netherlands

Site 3: CMS Logistics Warehouse,
Jebel Ali Free Zone, Dubai, UAE

has implemented and maintains a **Quality Management System**
for its certification structure: **Campus**

Scope : **HO & site 1 at Dubai : Sales, Procurement and Supply of Aircraft Chemicals and Consumable Materials.**
Site 2 at Netherlands : Support services for Sales, Procurement and Supply of Aircraft Chemicals and Consumable Materials.

Site 3 at CMS Logistics, Dubai : Warehouse

Through an audit, performed in accordance with the requirements of
AS 9104/1 issued 2012-01, and including the implementation, meets the requirements of the standard:

AS 9120B

(Based on and including ISO 9001:2015)

Quality Management Systems – Requirements for Aviation, Space and Defence Distributors.

The file that forms the basis of this certificate: **2980002**

Date of Initial Certification : **August 1, 2018**
Date of Current Revision : **August 1, 2018**
Certification Expiry Date : **July 31, 2021**

K.G. Garg
Chairman & Chief Executive
NVT QUALITY CERTIFICATION PVT. LTD.
CAP-1, EPIP, Near ITPL,
Whitefield, Bangalore - 560 066
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Note: Please verify current validity of certificate from NVT Quality Certification Pvt. Ltd.,

NVT QC

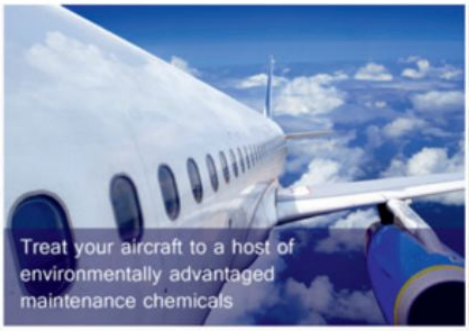
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From multinational corporation to small business entities, ACC specializes in improving the export sales of the companies whose products and services are marketed in the following aviation industries:

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Maintenance Facilities,

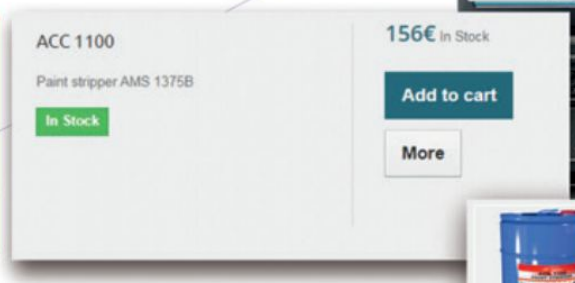
Commercial Airlines

Airports

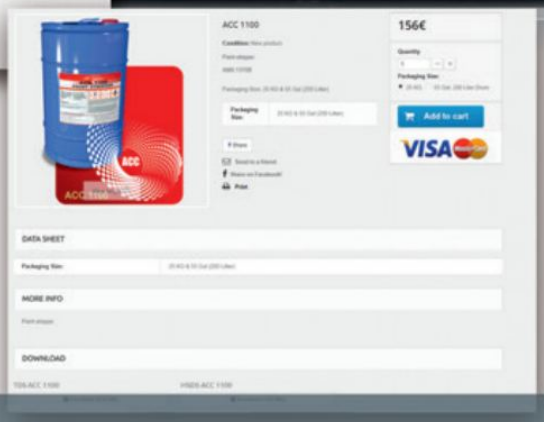
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January 2019 Issue

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