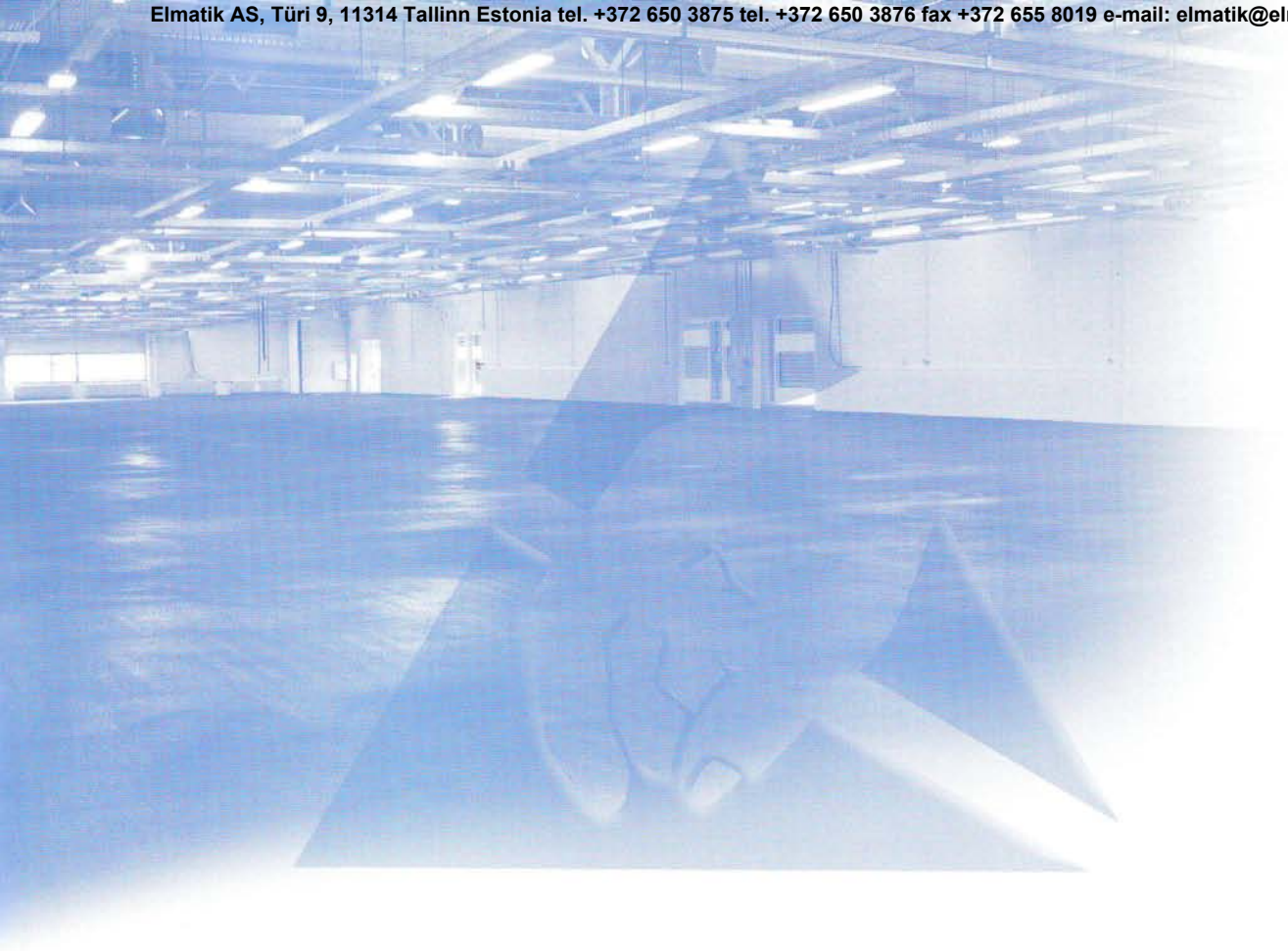


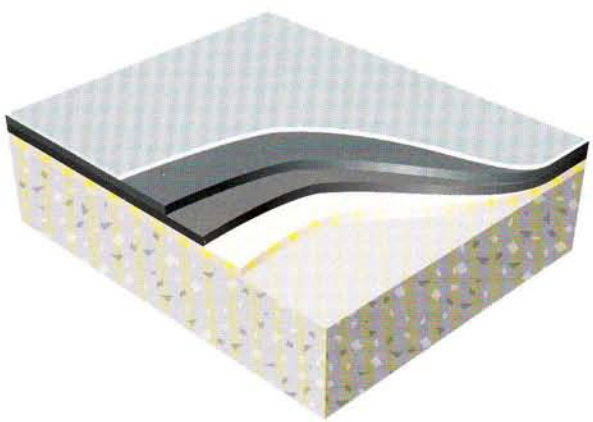
INDUSTRIAL FLOOR COATINGS

ARMEKA Epoxy and Vinyl floor coatings

Armeka Engineering Ltd

Contents

ARMEKA ESD / STB Epoxy Coating



ESD / STB epoxy coating is well known in Finland's domestic market as well as in several international markets. It is one of very few products around the world able to fully meet the rigorous demands for electric conductive properties according to the standards set by International ESD norm IEC 61340-5-1/2.

Furthermore, this product has been developed to withstand the heaviest traffic of almost all kinds. Its compression strength and tensile strength is several times higher than any concrete used for floors in factories or elsewhere. That makes this coating the ultimate choice for areas exposed to high mechanical impact and which require the most demanding ESD protection.

Suitable areas for ESD / STB

In the Electronics Industry or other areas where the final floor is expected to withstand heavy traffic in combination with excellent ESD protection. For areas with less demanding mechanical impact and with lighter traffic, other Armeka epoxy coatings are available which will provide the most suitable cost-performance balance.

ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 10 MΩ
System resistance	Less than 35 MΩ
Body charge, walking test	Less than 50 Volt

GENERAL SPECIFICATIONS

Normal thickness	3 mm, but can be increased according to demands
Colour	Dark grey or Light grey, other colours available
Surface structure	Slightly anti-slip
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

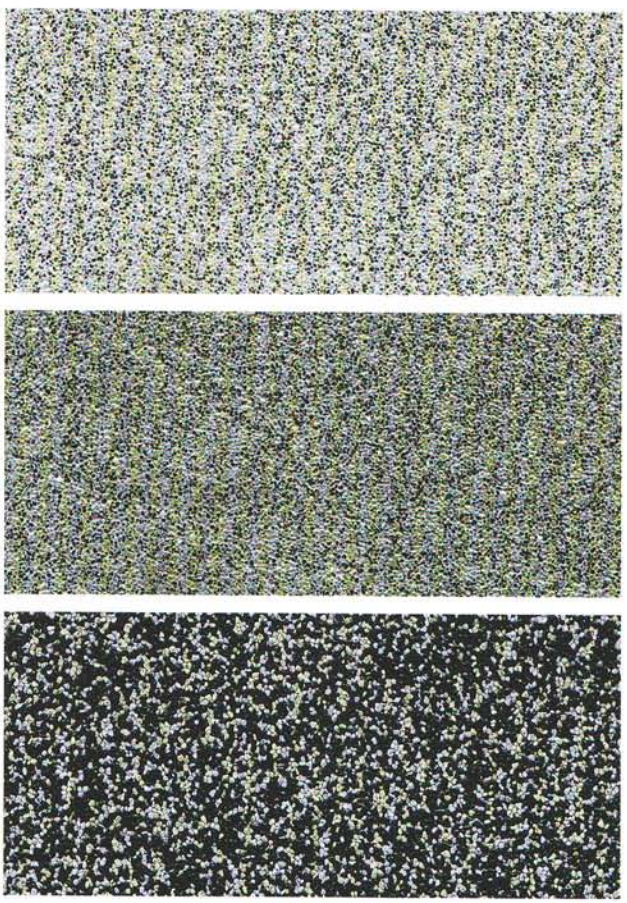
Working hygiene – environment

ESD / STB is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If ESD / STB is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.



ARMEKA STB N Epoxy Coating

ARMEKA STB N is similar to ESD version but it is not conductive.

Different colours available. Thickness 3,0–10,0 mm.

ARMEKA ESD / SL Epoxy Coating

ARMEKA ESD / SL is a solvent free, smooth, durable, glossy epoxy coating.

It is formulated to fully meet the rigorous demands for electric conductive properties according to the standards set by International ESD norm IEC 61340-5-1/2.

Furthermore, this coating has been developed to withstand medium to heavy traffic.

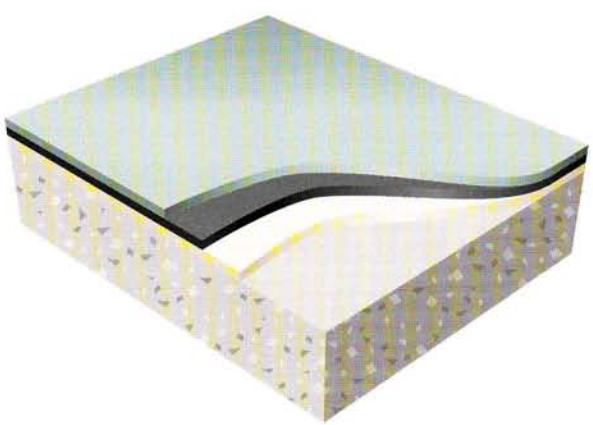
Due to the smooth non-porous surface cleaning is easy.

The system consists of a normal epoxy primer to seal the substrate, a conductive primer and a self levelling conductive layer in decided thickness.

Suitable areas for ARMEKA ESD / SL

ARMEKA ESD / SL is developed to be used in areas with extremely high demands for cleaning ability in combination with electrical conductivity.

Those areas can be found in the Electronics Industry, Pharmaceutical industry (clean rooms) or in areas where static electricity can cause explosions.



ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 10 MΩ
System resistance	Less than 35 MΩ
Body charge, walking test	Less than 100 Volt

GENERAL SPECIFICATIONS

Normal thickness	2–3 mm
Colour	6 standard colours
Surface structure	Smooth
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

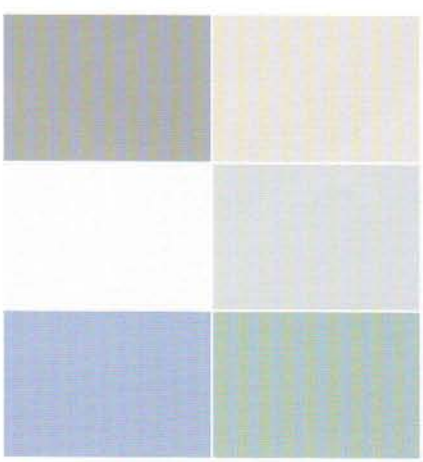
ESD / SL is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If ESD / SL is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA AS 1000 SL Epoxy Coating



ARMEKA AS 1000 SL is a solvent free, smooth, durable, glossy epoxy floor with antistatic properties.

The system consists of a normal epoxy primer to seal the substrate, a conductive primer and a self levelling conductive layer in decided thickness.

Suitable areas for ARMEKA AS 1000 SL

ARMEKA AS 1000 SL is developed to be used in areas with light to medium traffic with demands of high cleaning ability and antistatic floor properties.

ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 1000 MΩ

GENERAL SPECIFICATIONS

Normal thickness	2 mm
Colour	6 standard colours
Surface structure	Smooth
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

ESD AS 1000 SL is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If ESD AS 1000 SL is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA ESD / CBX Epoxy Coating

ARMEKA ESD / CBX combines, in a way, the properties of ESD STB and ESD SL.

It is a solvent free, durable, anti-slip coating with excellent electrical conductive properties. It is formulated to fully meet the rigorous demands for electric conductive properties according to the standards set by International ESD norm IEC 61340-5-1/2.

The system consists of a self levelling epoxy and conductive filler materials.

Suitable areas for ARMEKA ESD / CBX

ARMEKA ESD / CBX is developed to be used in areas with light traffic with demands of an anti-slip surface in combination with electrical conductive properties.

ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 10 MΩ
System resistance	Less than 35 MΩ
Body charge, walking test	Less than 100 Volt

GENERAL SPECIFICATIONS

Normal thickness	1,0 mm
Colour	6 standard colours
Surface structure	Slightly anti-slip
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

ESD / CBX is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

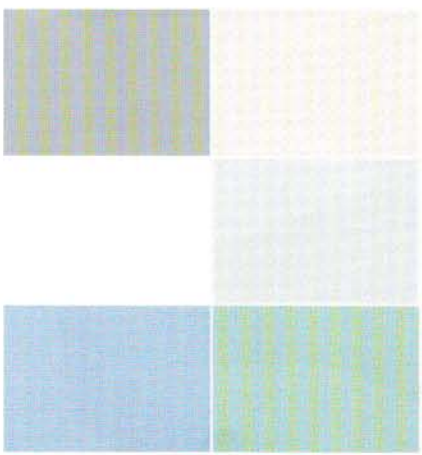
Note

If ESD / CBX is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

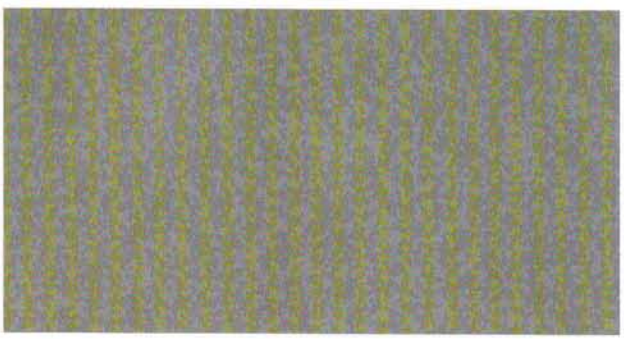
See general instructions for epoxy coatings on page 18.

ARMEKA CBX N Epoxy Coating

ARMEKA CBX N epoxy coating is similar to ESD / CBX but it is not electrically conductive.
Different colours available.



ARMEKA ESD / SSL Epoxy Coating



ARMEKA ESD / SSL is a new and unique electrical conductive epoxy coating.

It is formulated to fully meet the rigorous demands for electric conductive properties according to the standards set by International ESD norm IEC 61340-5-1/2.

It is solvent free, durable and with an almost smooth surface structure like the one on an orange. The unique structure helps to visually hide an uneven concrete surface.

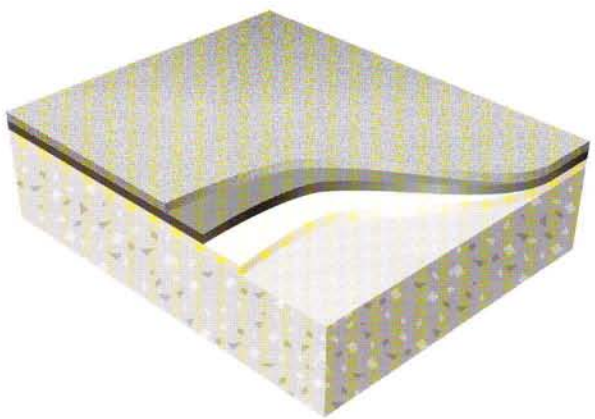
This coating has been developed to withstand medium to heavy traffic.

The system consists of a normal epoxy primer to seal the substrate, a conductive primer and a self levelling epoxy layer with special filler material.

Suitable areas for ARMEKA ESD / SSL

ARMEKA ESD / SSL is developed for use in areas with medium to heavy traffic by trucks and forklifts combined with demands for a good cleaning ability and excellent electrical conductive properties.

Such areas can be found in the Electronics Industry, Pharmaceutical Industry (clean rooms) or in areas where static electricity can cause explosions.



ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 10 MΩ
System resistance	Less than 35 MΩ
Body charge, walking test	Less than 100 Volt

GENERAL SPECIFICATIONS

Normal thickness	2–4 mm
Colour	6 standard colours
Surface structure	Almost smooth
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, by mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

ESD / SSL is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If ESD / SSL is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA ESD / SE flexible Epoxy Coating

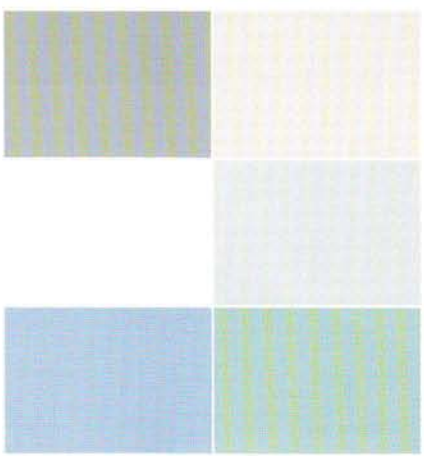
ARMEKA ESD / SE is an elastic epoxy coating with electric conductive properties able to replace conductive or antistatic PVC carpets giving a seamless, hygienic surface.

The hardness of the coating is app. 50 Shore D compared with PVC carpets 60 Shore D and synthetic rubber 40 Shore D.

It is formulated to fully meet the rigorous demands for electric conductive properties according to the standards set by International ESD norm IEC 61340-5-1/2.

The system combines the advantages of PVC carpets and Epoxy coatings.

Due to the smooth non-porous surface cleaning is easy.



Suitable areas for ARMEKA ESD / SE

ARMEKA ESD / SE is developed to be used in areas where a soft, elastic floor is preferred.

Those areas can be found in offices with demands for conductive floors, in assembly areas in the electronic industry as well as in various laboratories.

ESD SPECIFICATIONS

ESD norm	IEC (EN) 61340-5-1/2
Resistance to ground	Less than 10 MΩ
System resistance	Less than 35 MΩ
Body charge, walking test	Less than 50 Volt

GENERAL SPECIFICATIONS

Elasticity	Shore D 50
Normal thickness	1,5–2,0 mm
Colour	6 standard colours
Surface structure	Smooth
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

ESD / SE is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

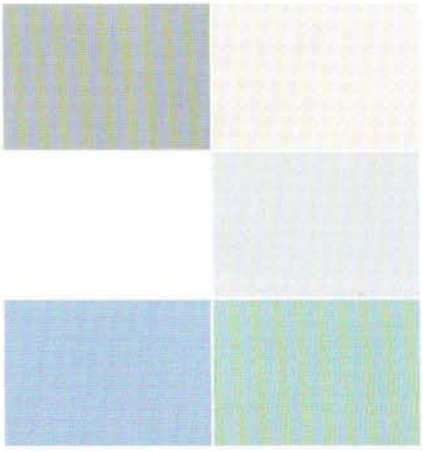
Note

If ESD / SE is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA SE / N Flexible Epoxy Coating

ARMEKA SE N Epoxy coating is similar to ESD / SE but not electrically conductive. Different colours available.



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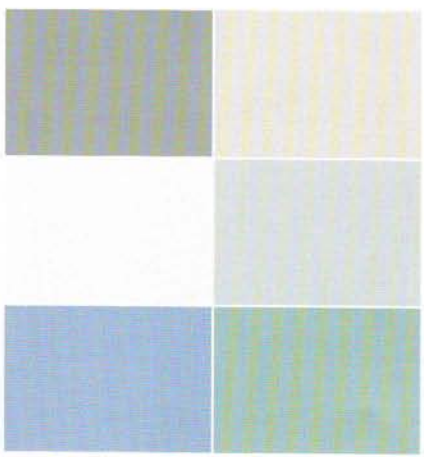
ARMEKA THC 700 Epoxy Coating



THC 700 is a solvent free, thick film epoxy coating (paint) formulated to give a smooth or anti-slip surface with outstanding wear resistant compared with normal painting. The product is elastic and due to the thickness compared with ordinary paint it levels the concrete surface extremely well.

Using various application techniques the final coating can achieve different structures depending on demands for anti-slip and cleaning ability.

Suitable areas for THC 700

Any surface in Industrial or Public areas, which needs a strong coating to withstand heavy traffic or wear from a lot of people walking, will get a long lasting protection by using this system. The product is mainly to be used in Industrial assembly areas, corridors, super markets, garages, parking houses and other frequently trafficked areas.

GENERAL SPECIFICATIONS

Normal thickness, anti-slip	200–300 microns with two levelling
Colour	6 as standard colours
Surface structure	Smooth or anti-slip
Appearance	Glossy, but can be made mat

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

THC 700 is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If THC 700 is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA Dust Binder WT

Armeka Dust Binder WT is a water disperseable epoxy product mainly to be used as dust binder for concrete floors. After curing it forms a durable finish and prevents dust to arise from the concrete.

Used properly it can be applied on rather fresh concrete.

Suitable areas for Armeka Dust Binder WT

Armeka Dust Binder WT is developed for use on areas where no specific demands, except wear resistance and a dust free environment, changes are existing. Warehouses, parking decks, work shops, cellars etc.

GENERAL SPECIFICATIONS

Normal thickness, 2 coats	200 mm
Colour	Not pigmented
Mechanical properties	Presented upon request
Chemical resistance	Presented upon request

Cleaning instructions

The floor can be cleaned by a variety of methods; including by brushing machines, mopping, sweeping or vacuuming. Alkaline cleaning agents may be used if necessary.

Oil spots can be removed by using degreasing agents. Suggestions will be provided as to the actual cleaning methods most suitable for the client's local conditions.

Working hygiene – environment

Dust Binder WT is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

Note

If Dust Binder WT is to be used on older existing floors specific pre-treatment will be required. Each floor must be assessed by an expert to determine the appropriate preparation work needed. For a prompt reply regarding our products and their application in your premises please direct your questions to us or our authorised contractor.

See general instructions for epoxy coatings on page 18.

ARMEKA Rustik Epoxy Coating

Armeka Rustik is a very different kind of floor covering with unique properties.

It is based on a clear, solvent free epoxy resin and filler material of coloured quarts or marble stone. Due to the rich variety of colours of the filler and the application technique, it is possible to create floors with the customers unique design. Even with company logos.

Suitable areas for Armeka Rustik

Armeka Rustik is mainly used in public areas like shops, exhibitions, car show rooms, office entrances and corridors. Areas with intensive foot traffic and demands for a unique aesthetic impression. Armeka Rustik can be applied on almost any stable substrate with possibilities to adhesion.

Special advantages

Armeka Rustik is applied in a thickness of 8-12 mm depending of the chosen size of stone.

This type of floor covering can, if partly damaged, be repaired without visible joints or repair marks. The maintenance costs will be almost zero for many years but it is possible to refresh the surface quite easy and with low costs.

The cleaning costs are surprisingly low due to the open structure of the floor system where dirt will become invisible. Now and then (maybe once in a year or less) the entire floor can be cleaned, over night, with high pressure cleaning and be ready for use in the morning, looking shining new. The annual cleaning costs will be reduced to about 30 % of normal costs. In a couple of years the investment costs will be paid back and for years to come there will be substantial savings achievable.

The floor will provide an acoustic absorption, reducing the noise in the premises.

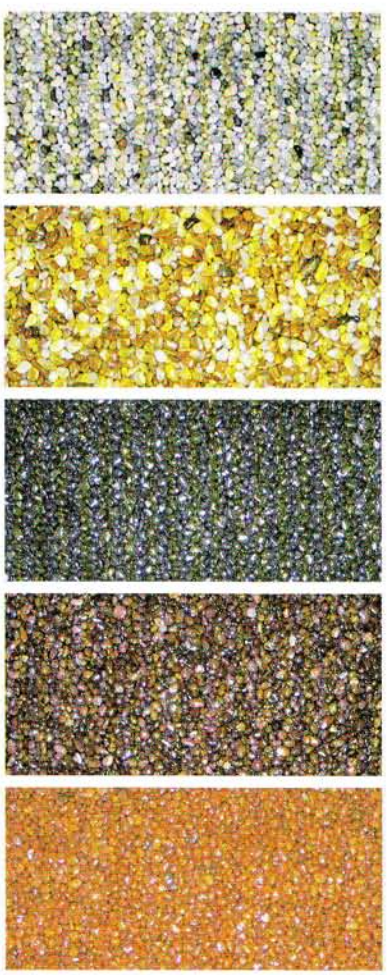
Walking on the floor gives a soft feeling and it will reduce the risk for tired feet, legs and backs.

Working hygiene – environment

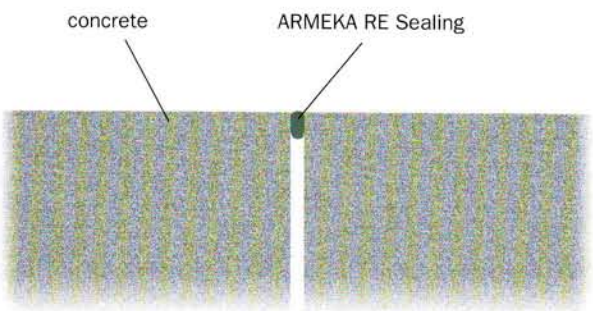
Armeka Rustik is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

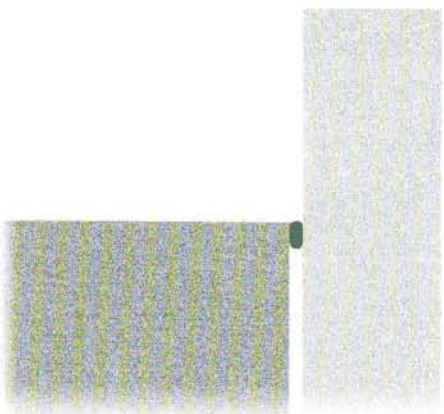
Cleaning instructions

Despite picking up paper, cigarette buts or other obviously visible items no daily cleaning is required. From time to time, depending of the intensity of people using or passing the area, a total cleaning of the floor can be done by high pressure cleaning followed by water vacuuming.



ARMEKA RE Flexible Epoxy





Armeka RE Flexible Epoxy is a solvent free, very flexible epoxy product with excellent aging properties.

Suitable areas for Armeka RE

To be used for expansion joints in concrete, sealer around drains and gutters as well as other applications where a flexible product is demanded.

Working hygiene – environment

Armeka RE is free from solvents and nearly odour free during application. It is entirely non-flammable. The main precaution is that workers should protect their bare skin from contact with the product before it is cured.

TECHNICAL SPECIFICATIONS

Elasticity:	elongation to break 500 %
Sub-substance:	good

General instructions for epoxy coatings

No chain is stronger than it's weakest link. In order to get a high-performance floor which will last for years it is very important to start the planning from the substrate. The concrete must be of suitable quality and thickness with a vapour barrier underneath to avoid future moisture penetration problems. The relative humidity in the (concrete) substrate should be measured before any application and may not exceed 95 %. Further, there should be crack control reinforcement in the concrete's top layer. Cracks wider than 0.5 mm appearing after application are not acceptable.

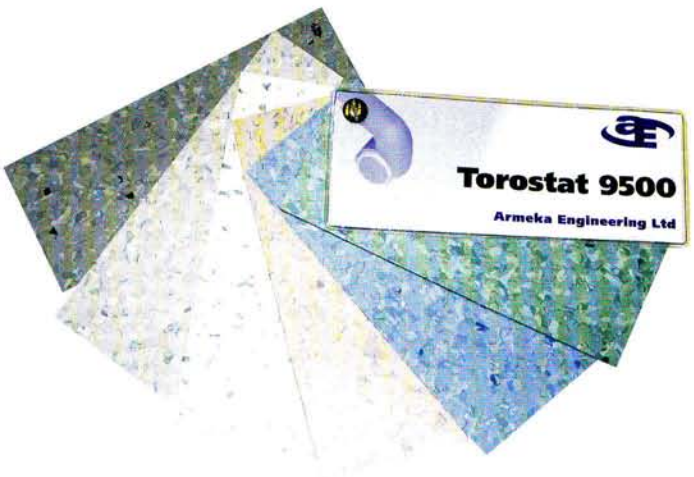
The surface of the concrete should be steel trowelled in order to get a smooth and even surface suitable for the epoxy coating. The tolerance for flatness deviation must meet the specifications. No cement-based putty is acceptable in between the concrete and the epoxy coating.

If corrections have to be made, they must to be implemented by us or our designated contractor with an epoxy based putty acceptable to us.

To get good adhesion between the concrete and the epoxy coating any laitance or contamination must be removed by shot blasting or diamond grinding.

The surface must then be thoroughly vacuumed before application.

ARMEKA TOROSTAT 9500 Dissipative Floor Mat



ARMEKA TOROSTAT 9500 is electrically dissipative floor covering. The black conductive base gives permanent ESD-properties for this material. There are six different surface colours available.

This floor covering can be installed by normal glue or adhesive tape. Only grounding strips needs conductive glue.

Grounding is easy and reliable to make in all installation methods. Torostat 9500 meet ESD-standard EN 61340-5-1/2 requirements, providing even better properties than is required in standard. Torostat 9500 is widely used all over the world.

Directions for use

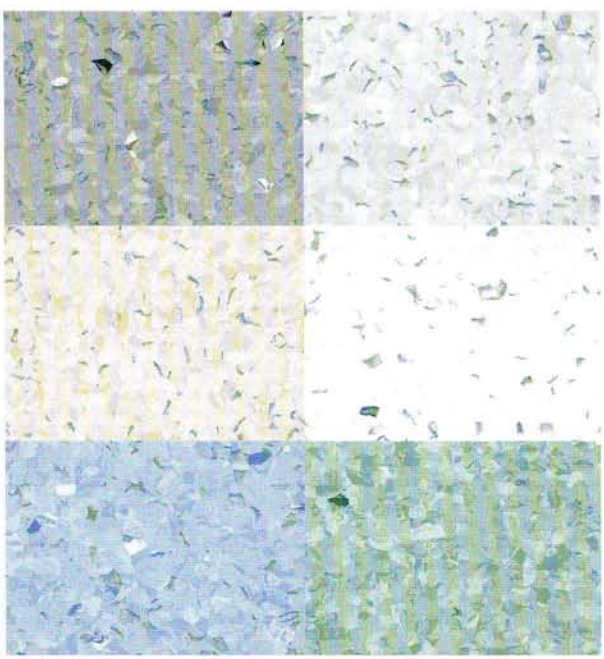
ARMEKA TOROSTAT 9500 dissipative floor mat is an excellent choice for electronic production/assembly area, as well as areas where static electricity can cause explosion and all other areas that demands for ESD protection are high.

This coating can be used also for electric reparations where parts of the floor coating are filled with an electric safety portion.

The smallest object as for reparations, installation can be done quickly and economically with tape installation.

TECHNICAL SPECIFICATIONS

Thickness:	2,0 mm	
Weight:	3,1 kg/m²	
Abrasion resistance:	≤ 0,15 mm, group P (PR EN 660: part 1)	
Residual indentation:	≤ 0,10 mm (EN 433)	
Fire resistance:	Bl	DIN 4102
	Class G	SS 024825
	Class L	NT-Fire 007
	Class 2	BS 476, part 7
Colour fastness:	≥ 6	EN 20105-B02
Chemical durability:	Good	
Colour:	6	
Packing size:	In roll, width 2,0 x length 25 m	
Resistant value:	(IEC) EN 61340-5-1/2	
Resistant to ground:	under 10MΩ	
System resistant:	under 35 MΩ	
Body charge:	walking test under 50 Volt	
Adhesion to concrete:	Excellent	



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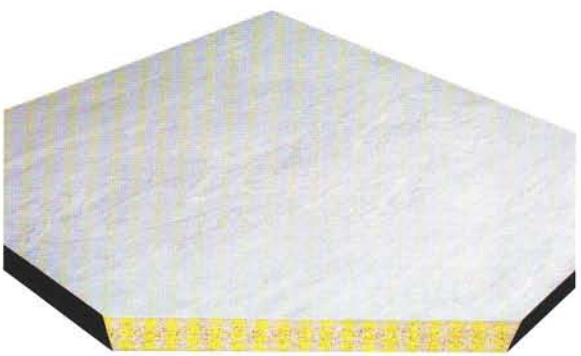
Armeka Engineering Raised Access Floor Systems

Woodcore Access Panels



Woodcore access panel

The modular square access panel consists of the following parts:

- 38 mm thickness particle board panel
- Particle board panel is encapsulated by 2 pieces of steelplates on top and bottom, 4 pieces of black PVC strips along the side of the panel
- Covering: ESD HPL, ESD Vinyl

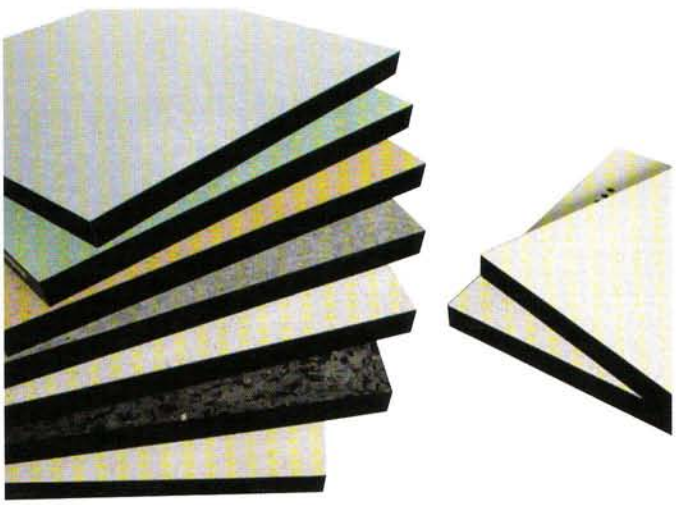
Rigid grid system (600 x 600 mm)

- Designed specially for computer room, office building
- Excellent acoustics performance
- Incombustible & waterproof

Pedestal & Stringer (80-900 mm)

Armeka Engineering Raised Access Floor Systems

Designer HPL & Vinyl Laminates



Designer HPL & Vinyl Laminates

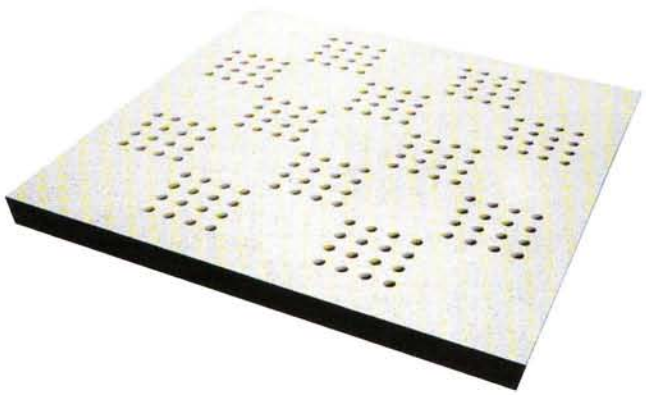
Designer laminates are available in many different finishes. All thoroughly tested.

ESD HPL & ESD Vinyl tile

Homogeneous solid ESD HPL and ESD Vinyl tiles with conductive elements are available in different colours.

Perforated Panel

- Perforated panels provide optimum laminar airflow, without turbulence
- Optional chamfered perforations provide superior particulate control with up to 10 % airflow rate



Resistance to ground (EN-SFS-61340-5-1/2)	
Vinly tile	>10 MΩ
HPL	>100 MΩ

Voltage of the body	
Vinly tile	>100 Volt
HPL	>100 Volt

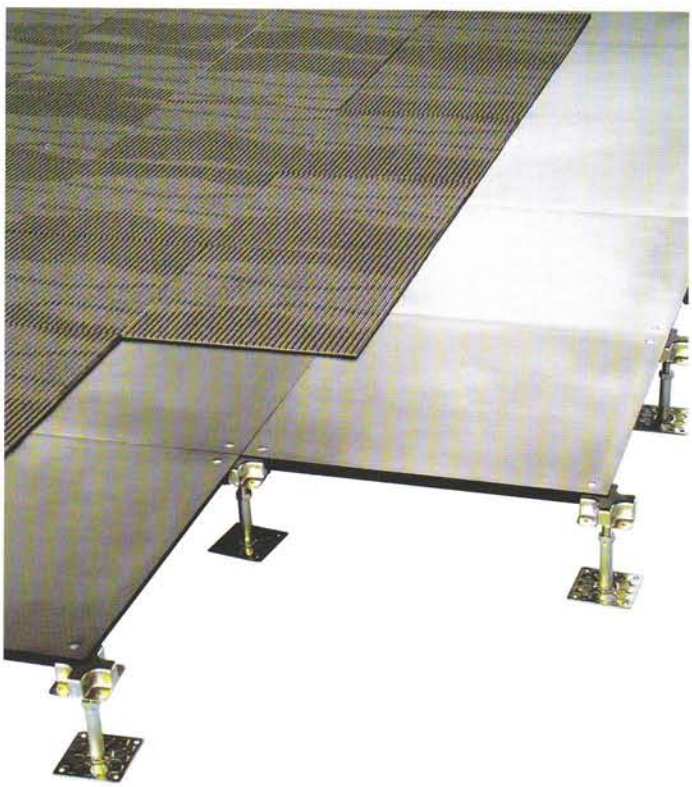
Electrical safety	
HPL	SFS 6000-1

TECHNICAL INFORMATION WC800/WC1000 RAISED ACCESS FLOOR SYSTEM

Panel type	Panel grade	Dynamic load kN	Concentrated load kG	Impact load kG	Safety Factor	Uniform load kN/m²	Under Structure	FFH	Fire Protection	General Construction
WC800	Medium	3	3,6	50	3	12	Rigid Grid Free Standing	To 900 mm To 450 mm	Class "0"	Chipboard Panel 28 mm
WC1000	Heavy	4,5	5,5	50	3	18	Rigid Grid Free Standing	To 900 mm To 450 mm	Class "0"	Chipboard Panel 38 mm

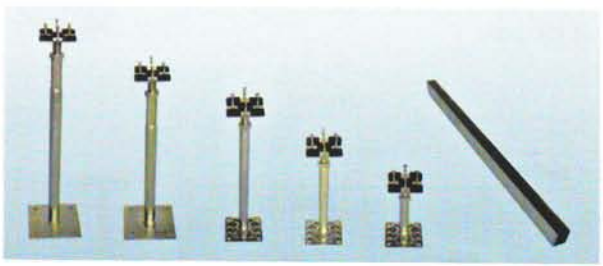
Armeka Engineering Raised Access Floor Systems

Bare type cementitious infill steel access panel



Bare type cementitious infill steel access panel

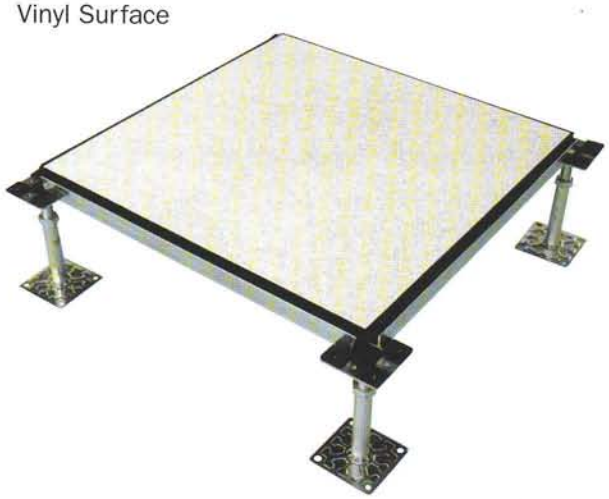
- Designed specially for office building
- Excellent rolling load performance
- Superior ultimate load performance
- Interchangeable panel strengths
- Electrodeposition cathodic epoxy paint finish for lifetime protection
- Light weight cementitious fill makes panels solid and quiet
- Completely non-combustible
- Excellent grounding an electrical continuity
- All-steel pedestals provide excellent impact load performance
- Access floor panels are available in ESD HPL or ESD Vinyl Surface



Rigid grid system (600 x 600 mm)

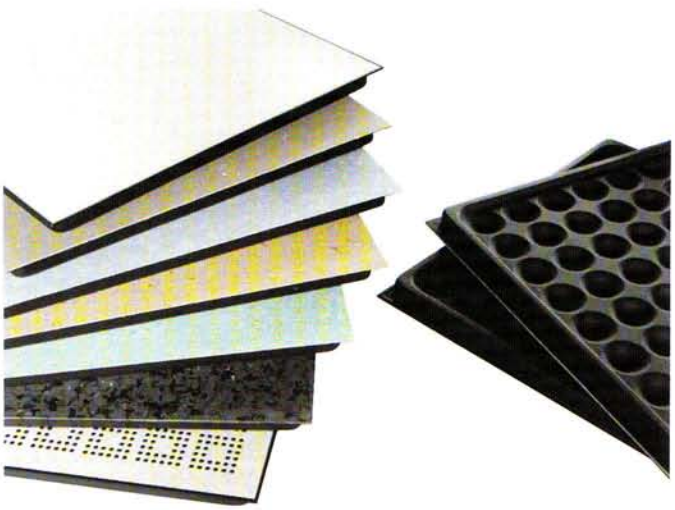
- Designed for computer & equipment room
- Excellent seismic proof performance

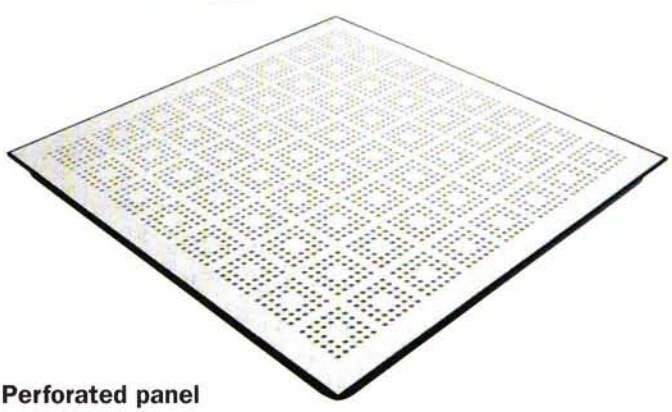
Pedestal & Stringer (80-1200 mm)



Armeka Engineering Raised Access Floor Systems

ESD HPL and ESD Vinyl tile





Perforated panel

- Perforated panels provide optimum laminar airflow, without turbulence
- Optional chamfered perforations provide superior particulate control with up to 20 % airflow rate
- Damper optional

ESD HPL and ESD Vinyl tile

Homogenous solid ESD HPL and ESD Vinyl tile with conductive elements is available in different colours.

- Designed specially for office building
- Excellent rolling load performance
- Superior ultimate load performance
- Interchangeable panel strengths
- Electrodeposition cathodic epoxy paint finish for lifetime protection
- Light weight cementitious fill makes panels solid and quiet
- Completely non-combustible
- Excellent grounding an electrical continuity
- All-steel pedestals provide excellent impact load performance

Resistance to ground (EN-SFS-61340-5-1/2)	
Vinly tile	>10 MΩ
HPL	>100 MΩ

Voltage of the body	
Vinly tile	>100 Volt
HPL	>100 Volt

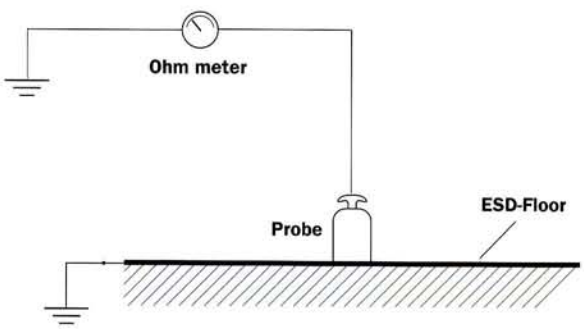
Electrical safety	
HPL	SFS 6000-1

TECHNICAL INFORMATION FSH800H/1250H RAISED ACCESS FLOOR SYSTEM

Panel type	Panel grade	Dynamic load kN	Concentrated load kG	Impact load kG	Safety Factor	Uniform load kN/m²	Under Structure	FFH	Fire Protection	General Construction
FS800H	Medium	3	3,6	50	3	12	Rigid Grid	To 1200 mm	Non Combustible	Cementitious Infill Steel Panel
FS1000H	Heavy	4,5	5,5	50	3	18	Rigid Grid	To 1200 mm	Non Combustible	Cementitious Infill Steel Panel
FS1250H	Extra Heavy	5,5	5,5	60	3	30	Rigid Grid	To 1200 mm	Non Combustible	Cementitious Infill Steel Panel

ESD Metering

1. Resistance to ground

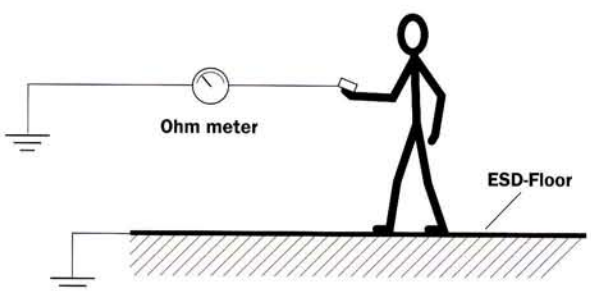


Probe, according to std, with conductive rubber is in contact with the surface • diameter 63 mm • weight 2,27 kg

Ohm meter
Measurement voltage 10 V ± 0,5 V < 1 x 10^6 Ω
Measurement voltage 100 V ± 5 V 1 x 10^6 W – 1 x 10^9 Ω

2. System Resistance

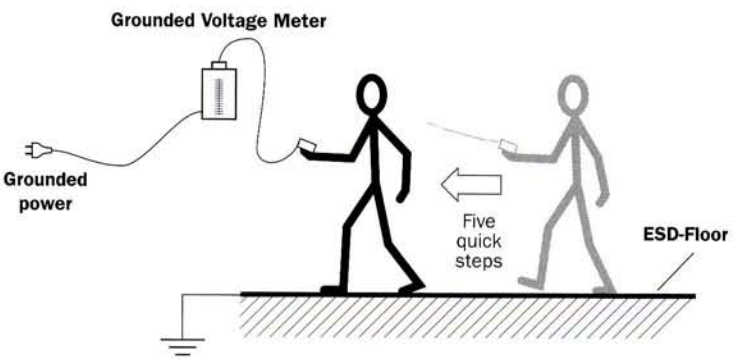
(Resistance through the body)



– Ohm meter, like in Pos. 1
– Resistance recommendation between 7,5 x 10^5 Ω – 3,5 x 10^7 Ω
– ESD-floor is tested with a person standing on it, with ESD-shoes

3. Voltage of the body

(Walking test)

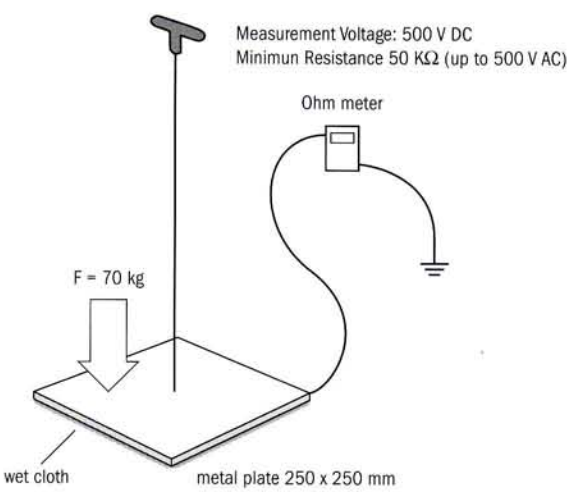


Measurement equipment

– Voltage meter, (ETS-216 / 3M-711 or equivalent)
– Voltage limit according to std ± 100 Volts, BUT in practice, the requirement of Hi-Tech industry is max. ± 50 Volts

Test person takes five quick steps.

4. Electric Safety Measurement



About ARMEKA ESD Coatings

All Armeka ESD coatings are in accordance with IEC (EN) 61340-5-1/2 standard as well as special requirements for electronic industry.

The measurement for ESD coating is as shown on this page.

ARMEKA WT ESD paint

ARMEKA WT ESD Paint is compiled of water soluble durability coating. Coating is easy to handle as well as non adhesive and adhesive surface. Normal consumption for double coating is app. ± 0,2 kg/m^2, depending on the surface.

This product is suitable for production areas, storage area, assembly, etc., that does not require hard durability coating.

TECHNICAL SPECIFICATIONS

Chemical durability:	refer to attachment
Resistant value:	(IEC) EN 61340-5-1/2
Resistant to ground:	under 10 MΩ
System resistance:	under 35 MΩ
Body charge:	walking test under 100 Volt

Armeka Engineering Ltd

Armeka Engineering Ltd was founded in 1991 with it's location in Espoo.

The scope of business is ESD protection in the Electronics, Chemical and Explosive Industry.

Armeka Engineering provides ESD training, consultation and auditing for customers around the world. Scandinavia, Russia, CIS countries, Middle East, China, Germany, Hungary and the Baltic countries are markets we work in.

Armeka Engineering is able to solve various problems regarding ESD protection satisfying customers need for smooth operation of their business.

Armeka Engineering also provides ESD protection products and floor coatings globally.

Our customers are to be found among well known Electronic Industries around the world as well as the Finnish military.

Armeka Engineering has delivered and installed hundreds of thousand m^2 of ESD floor coatings during the last 10 years. We have a long and excellent experience of installation using our own installation team or together with authorized contractors under our supervision.

Armeka Engineering is able to supply and install high quality conductive epoxy coatings as well as conductive PVC carpets. Other types of special epoxy coatings are also available.

After installation Armeka Engineering will measure the conductivity in accordance with standards and issue proper measuring documents.

Armeka Engineering Ltd

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