



ULTRA SCREED 5

Epoxy Floor Screed For Chemical & Abrasion Resistance

DESCRIPTION

Ultra Screed is a conventional highly filled epoxy resin quartz aggregate screed mortar for application to industrial floors which are subject to heavy traffic and light chemical attack.

Ultra Screed cures rapidly to give a heavy duty floor finish with excellent chemical and abrasion resistance.

Composition

Colored solvent free epoxy and graded quartz aggregate mortar.

Appearance

Ultra Screed unsealed has a mottled effect with a base background color providing a slightly textured surface. Ultra Screed sealed has a slightly textured even colored finish

Durability

Ultra Screed exhibits the highest order of abrasion resistance.

Thickness

Nominal 5 mm.

TECHNICAL DATA

Compressive Strength 70-80 N/mm²

Tensile Strength 9-10N/mm²

Flexural Strength 25-30N/mm²

Slant Shear Bond Strength 35N/mm²

DIRECTIONS FOR USE

Ultra Screed is used as a floor finish and repair mortar in areas where heavy continual wear is prevalent such as engineering workshops, warehouses, trucking lanes, test houses, etc. It should not be used where steam cleaning is required or in areas of high chemical spillage. Please refer to data on Ultra Screed for heavy duty and chemical resistance combined.

Substrates

Ultra Screed adheres well to concrete and grano.

Surface Preparation

To be assured of maximum adhesion and properties from Ultra resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference.

Pack

Coverage Rates

Ultra Primer	1 kg	4-6m ²
Ultra Screed	16.5 kg	1.5m ² @5mm thick

Application Conditions

5-30°C.

Priming

Primer

Concrete surface should be primed with ULTRA primer 60.

Mixing

Ultra Screed is a three pack product. Mix the hardener component well into the resin for

a period of 1 minute until even colored. Transfer the mixed resin into a rotary drum mixer and add the aggregate slowly until evenly wetted.

Application Technique

Ultra Screed should be applied directly into uncured wet Ultra Primer. The mortar is spread to an even thickness and the surface closed using a steel float

Sealing

Ultra Screed requires sealing to provide a non-porous surface.

Ultra Screed Seal is a thixotropic seal coat which is applied to the cured Ultra Screed mortar to totally grout and seal the surface. Please refer to technical data sheet reference.

Ultra Seal is a final seal coat used to provide a matt silk finish. Please refer to technical data sheet reference.

Ultra Guard is used to provide a gloss finish. Please refer to technical data sheet reference.

SPECIFICATION DETAIL

- 1. Ultra Primer 60 Covers 50-60 Sqft/ltr depending on porosity.
- 2. Ultra Screed 2kg/m² per 1mm thickness.



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Maintenance

Ultra Screed can be maintained in its original condition providing contamination is not allowed to build up and the floor is regularly scrubbed using proprietary cleaners.

Colors Available

All standard Ultra colors White, Gray, Dark Gray, Stone, Green, Sage Green, buff, and Brick red are available.

Health and Safety

Please read technical data sheet reference and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference

Technical Advice

For further information on this or any other Ultra product, please contact

Storage:

Avoid to place direct to sun light and always store in shady areas.

ISO Certification:

Our production facility at Pakistan is
ISO 9001:2008
ISO 14001:2004
by BUREAU VERITAS
and UKAS Management

Chemical Resistance

Ultra Screed shows good chemical resistance but should not be used as a chemically resistant heavy duty finish as the screed is porous and if the seal coats become damaged chemical attack can occur. For heavy duty chemical resistance use Ultra Screed technical data sheet reference.

CHEMICAL RESISTANCE

Acetic Acid, 10%.....	excellent
Acetone	non-resistance
Alkali's	excellent
Ammonia ... 10%.....	excellent
Battery Acid	good
Beer	excellent
Bleach	excellent
Brake Fluid	good
Butanol	good
Citric acid	excellent
Diesel Fuel	excellent
Ethanol	poor
Ethylene Glycol.....	excellent
Gasoline	excellent
Hydraulic Oil.....	excellent
Hydrochloric Acid, 50%	excellent
Industrial Methylated spirits	good
Lactic acid 10%	Excellent
MEK.....	excellent
Methylene Chloride	poor
MIBK	poor
Nitric Acid, 25%	excellent
Oil	excellent
Power Steering Fluid.....	excellent
Phosphoric Acid, 50%.....	Good
Skydrol.....	good
Sugar Solution St.....	excellent
Sodium Hydroxide 50%.....	excellent
Sulphuric acid..... 80%	excellent
Transmission Fluid.....	excellent
Toluene.....	good
Urine.....	excellent
Xylene.....	excellent

@20°C @30°C

Pot life at 70°F (21°C)	30 mins	15 mins
Tack free time	6-8 hrs	2-4 hrs
Re-coat time		
Suitable for foot traffic	18 hrs	16 hrs
Full cure	7 days	56days
Suitable for wheel traffic	48 hrs	48
Dry to touch at 70°F (21°C)	6 hrs	5 hrs
Primer Info		
Pot life at 70°F (21°C)	45 mins	20 mins
Tack free time	3 hrs	1.5 hrs