

POLYSCREED EPOXY TERRAZZO



HEAVY DUTY 6 - 8MM EPOXY TERRAZZO FLOORING

DESCRIPTION

POLYSCREED EPOXY TERRAZZO is a heavy duty flow applied screed topping based on an epoxy resin system incorporating antimicrobial silver ion protection. An exposed aggregate texture with a smooth surface of uniform colour designed for excellent resistance to abrasion, chemical attack and other physical aggression.

ADVANTAGES

- Contains silver ion technology for antimicrobial protection
- Easy to clean and sanitize due to seamless flooring
- Heat resistant to 100°C (Dry)
- High chemical resistance
- High abrasion resistance
- High impact resistance
- Non-slip Terrazzo finish
- Solvent free application

APPLICATION

- Decorative applications
- Commercial environments
- Domestic environments
- Airports and office blocks
- Breweries
- Engineering areas
- Food processing plants with antimicrobial additive based on silver ion technology making Polyscreed ideal for use in HACCP environments as it provides a seamless, antimicrobial, matt finish that imparts no chemical contaminants to foods

TECHNICAL DETAILS

Compressive Strength	60 N/mm ²
Tensile Strength	6.5 N/mm ²
Flexural Strength	40 N/mm ²
Colours	Custom
VOC	8g/Lt
Water Absorption	<0.2%
Elastic Mod.	1350 N/mm ²
Impact Resistance	Drop Test <3mm
Heavy traffic	24 hours
Light traffic	12-16 hours
Abrasion Resistance	Accelerated <0.03mm
Chemical Resistance	Acids and sugars
Kit yield	16 L
Nominal thickness 8.0mm	2 m ² /kit
Nominal thickness 10.0mm	1.6 m ² /kit

WATCH POINTS

Prime concrete surfaces with Solidkote UP Epoxy Primer or Solidkote WB Clear Primer if moisture is greater than 5%. Application conditions should be between 10°C and 25°C with a maximum relative humidity of 75%.

PACKAGING

3L Resin + 2 L Hardener + 30.0Kg aggregate = 35Kg Kit (16L Mixed).

SHELF LIFE

Six months when kept in a cool, dry place. Packaging must remain unopened.

DIRECTIONS

Substrate Requirements

Concrete substrates are to be 20-25 MPa compressive strength, free of dust and friable materials. There must be no moisture vapour rising from the concrete and moisture content must be less than 5%.

System Product Requirements

1. Concrete Primer – Solidkote UP Epoxy Primer or Solidkote WB Clear Primer if moisture >5%.
2. Screed Topping – POLYSCREED EPOXY TERRAZZO at minimum 8mm.
3. Sealing – SOLIDKOTE UVC, UV Super Satin

Application

Prepare surfaces in order to obtain a sound, dust free, dry surface. Prime with Solidkote UP Epoxy Primer and scatter 1mm quartz into the wet primer at a rate of 300g/m². Allow to cure for at least 16 hours prior to application of POLYSCREED TERRAZZO with a maximum over coating time of 48 hours. Ensure application conditions are between 10-25°C and at a maximum of 75% Relative Humidity. Mix the resin and hardener components in a pan mixer for 3 minutes. Then add the aggregate slowly while mixing, after the last of the aggregate has been added, mix until uniformly wetted out. Pour out the mix onto the demarcated area and trowel out into place. Grinding and polishing may commence 2-3 days later and seal with appropriate sealer.

MAINTENANCE

Regular scrubbing and mopping will maintain the POLYSCREED TERRAZZO in a serviceable condition. Maintenance is to be carried out using LIQUID ACTION which complies with the requirements of specification SANS 1344 - Medium Duty Solvent Detergent (report number 2112/P3325/10/ID). Refer to LIQUID ACTION technical datasheet for use details.

Antimicrobial Resistance

The Polyscreed range of products makes use of silver ion technology in formulation which inhibits the growth of bacteria and fungi in contact with the product. The hygienic advantage is therefore not only derived from the daily use of the floor but in the longer life this technology affords in retarding the degradation of the floor by microorganisms.

Colour Stability

Polyscreed Epoxy Terrazzo exhibits good colour stability indoors. Areas exposed to direct sunlight and exposed to heat will begin to change colour with time. This colour change will by no means affect the products performance is a completely visual effect. It is thus recommend selecting appropriate colours depending on the environment. Darker colours are suggested for outdoor applications.

SEALING

Stain resistance is enhanced if the Polyscreed surface is sealed. Solidkote UVC or Mikon Sealer are recommended.

STORAGE

Store the kit in a cool, dry place out of direct sunlight and where there is no exposure to damp and humidity.

SAFETY

Please read Material Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No. 85 of 1993. The finished system is not hazardous to health or the environment.