

EPOSCREED 10

Solvent Free Heavy Duty Epoxy Screed

DESCRIPTION

EPOSCREED 10 is three components epoxy resin system. It is for 3 - 10.0 mm thickness application epoxy flooring screed. **EPOSCREED 10** forms a hard build screed with excellent adhesion to concrete, and abrasion resistance.

USES

EPOSCREED 10 is suitable for use in heavy steel engineering plants, workshops, dairies, softdrinks production and bottling plants, kitchens, showrooms, wet working areas and other areas with chemical spillage.

EPOSCREED 10 provides a hard wearing, easily cleaned and attractive floor coatings in areas where high resistance to chemical attack is required.

EPOSCREED 10 is used as a final coating and sealer for concrete floors, non-skid coat when sprinkled over with quartz granules and as a finish coat for epoxy floor screeds to provide a more durable and easily cleaned surface where high impact is desirable.

ADVANTIGES

- Non-slip finishing.
- Fast curing comparing to cement screed.
- High impact resistance.
- Hard wearing – durable.
- High abrasion resistance.
- High compressive strength
- Provides hygienic – impervious finish
- Human safe.
- Solvent free.
- Available in different colors.



SURFACE PREPARATION

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be used sponge dried to remove all surface water, then dried. Treat oil or grease contamination should be removed by degreaser followed by water or steam cleaning.

New concrete floors should be at least 28 days and have a moisture content of less than 5%. Excessive laitance should be removed by mechanical method.

Dust and other debris should be removed by vacuum cleaning. The substrate should be dried and relative humidity not more than 75% as per BS 8201.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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Old concrete floors damaged areas or surface irregularities should be separately repaired as batching areas by using **EPOMORTAR FC** (fast curing epoxy mortar, refer to TDS). Steel surface should be grit blasted then clean by solvent and kept to dry.

MIXING

The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly for at least 3 minutes. Use a heavy duty slow speed power drill with a jiffy mixing blade. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean. Immediately start addition of aggregate bag gradually during mixing the mortar.

APPLICATION

Priming is recommended for concrete surface by using **PRIME EP100**, a two component, high solid content epoxy primer – refer to the relevant technical data sheet.

EPOSCREED 10 should be applied to prepared surface by using a steel trowel then tamped with a wooden float for more compacting.

CONCOAT EP150 (refer to the relevant technical data sheet) can be applied as an epoxy overcoat.

COVERAGE

Application rate will vary according to surface conditions, surface profile, application technique and job conditions. A coverage rate of 2.4 m²/pack at 5 mm DFT is dominant.

CLEANING

Tools and equipment can be cleaned immediately by using **THINNERCOAT 10**.

PACKAGE

12 litre pack (including, hardener and aggregate)

STORAGE

Product should be stored at 25°C in dry conditions.

FLAMMABILITY

EPOSCREED 10 is non-flammable material.

THINNERCOAT 10 so do not expose to naked flames during application.

SHELF LIFE

12 months in tightly closed container.

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TECHNICAL PROPERTIES

Test	Result																								
Mixed Density	1.95 + 0.05																								
Volume Solid ASTM D 2823 - 91	100 % + 1																								
Application Temperature	10 °C to 45 °C.																								
Initial Hardness	15 hours at 35 °C.																								
Pot Life	50 minutes at 35°C.																								
Full Cure	7 days at 35 °C.																								
Compressive Strength ASTM C 579 - B	> 80.0 N/mm ²																								
Tensile Strength (BS 6319)	17 N/mm ²																								
Flexural Strength (BS 6319)	30 N/mm ²																								
Abrasion Resistance (ASTM D 1044-85)	1000 cycles < 20.0 mg																								
Chemical Resistance	<table style="width: 100%; border: none;"> <tr><td>Petrol</td><td>Resistant</td></tr> <tr><td>Diesel</td><td>Resistant</td></tr> <tr><td>Engine Oil</td><td>Resistant</td></tr> <tr><td>Xylene</td><td>Resistant</td></tr> <tr><td>Skydrol</td><td>Resistant</td></tr> <tr><td>NaOH 20%</td><td>Resistant</td></tr> <tr><td>H₂SO₄ 20%</td><td>Resistant</td></tr> <tr><td>HCl 36%</td><td>Resistant</td></tr> <tr><td>Acetic 5%</td><td>Resistant</td></tr> <tr><td>Lactic 20%</td><td>Resistant</td></tr> <tr><td>Brake fluid</td><td>Resistant</td></tr> <tr><td>Bleach</td><td>Resistant</td></tr> </table>	Petrol	Resistant	Diesel	Resistant	Engine Oil	Resistant	Xylene	Resistant	Skydrol	Resistant	NaOH 20%	Resistant	H ₂ SO ₄ 20%	Resistant	HCl 36%	Resistant	Acetic 5%	Resistant	Lactic 20%	Resistant	Brake fluid	Resistant	Bleach	Resistant
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HEALTHY AND SAFETY

The application of material should be in good ventilation and avoid inhalation of the vapors. Use goggles and vinyl gloves. In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately. The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.