EVI VERNICI
PAINTS & COATING SOLUTIONS

CONSTRUCTION CHEMICALS DIVISION

EPOSCREED 10

Solvent Free Heavy Duty Epoxy Screed

Technical Data Sheet

Composition and Application Field

EPOSCREED 10 is a three components epoxy resin system. It is an epoxy flooring screed which should be applied at a 3 - 10.0 mm thickness. **EPOSCREED 10** forms a hard build screed with excellent adhesion to concrete, and abrasion resistance.

Uses

EPOSCREED 10 is used 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 coat 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.

Advantages

- 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. A dry sponge should be used to remove water on wet surfaces. 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.
Old concrete floors damaged areas or surface irregularities should be repaired by using EPOMORTAR FC two component fast curing epoxy mortar (Refer to TDS). Steel surface should be grit blasted then clean by solvent and kept to dry.
Epoxy Screeds high spots or trowel marks should be rubbed down and remove dust and debris by vacuum cleaning then repair it by using EPOSCREED 10 three component epoxy screed (Refer to TDS.)

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 ensuring that the hardener container is scraped clean. Immediately start adding the aggregate bag gradually while mixing.

Application Method

Priming is recommended for concrete surfaces 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 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.

Cleaning

Tools and equipment's should be cleaned immediately by using **THINNERCOAT 10**.

Package

12 liter pack (including hardener and aggregate).

Technical Properties

Mixed Density	1.95 + 0.05
Volume Solid ASTM D 2823-91	100% ± 1
Application Temperature	10°C at 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: ASTM D1308	Petrol Resistant Diesel Resistant Engine Oil Resistant Xylene Resistant Skydrol Resistant NaOH 20% Resistant H_2SO_4 20% Resistant HCl 36% Good Acetic 5% Resistant Lactic 20% Resistant Brake fluid Resistant Bleach

Storage and Shelf Life

Product should be stored at 25°C in dry conditions.
18 months in tightly closed container.

Flammability

EPOSCREED 10 is a non-flammable material.
THINERCOAT 10 is flammable. Do not expose to naked flames during application.

Health and Safety

The application of materials 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 environment and occupational health & safety standards ISO 14001 and OSHA 18001.

The above Data Sheet is based on our experience and extensive laboratory tests. We guarantee only the quality of the product in this Data Sheet. For safety measurements and details refer to the Safety Data Sheet. Evi reserves the right to modify the contents of the Data Sheet at any time and without prior notice as a system requirement in updating the product.
This Technical Data Sheet surpasses all previously issued versions.

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