



MergussEpoxy Primer

Description

MergussEpoxy Primer is a specially formulated solvent free two component reactive epoxy sealer to protect interior and exterior concrete surfaces from water, salts and abrasion.

Uses

MergussEpoxy Primer is a general primer of concrete or other cementitious surface of chemical, food or other industries.

Advantages

- Excellent adhesion
- Resistant to several chemical products
- Seamless and waterproof, concrete will not absorb water, food, or chemical spillage.
- Easy application
- Good sealing properties
- Wear resistant
- Low viscosity

General Data

Color	: Clear
Specific gravity	: 1.3 ± 0.02 kg/liter
Gloss	: Gloss
Volume solids	: 100 %
Typical thickness	: 100 micron d.f.t per coat
Theoretical coverage	: 10 m ² per liter at 100 micron
Recoating time	: 8 hours (minimum)
Mixing ratio by volume	: 1 parts A to 1 part B (hardener) by weight
Method of application	: roller, paint brush

Pot life	: 30 minutes (measure at 25 ⁰ C)
Curing time	: Light traffic 12 to 8 hours Full cure 4 - 7 days
Shelf life	: 1 year in original Unopened container
Packaging	: 5 kgset 25 kg set

**Technical
Data**

<u>PROPERTIES</u>	<u>TEST METHOD</u>	<u>RESULTS</u>
Compressive strength	ASTM C-579	60 MPa
Tensile strength	ASTM C-307	17 MPa
Flexural strength	ASTM C-580	21.5 MPa
Modulus of elasticity in flexion	ASTM C-580	2,591 MPa
Bond strength	ASTM D-4541 on Concrete	> 4.3 MPa
Abrasion resistance	ASTM D-4060 H-22 Wheels 1000 cycles	0.73 mm
Hardness (Durometer)	ASTM D-2240 (Shore D)	81

**Surface
Preparation**

Substrate must be dry, sound and free of all contaminants. Examine moisture content of concrete surfaces, if necessary perform adequate test prior to application.
Remove all dirt, laitance, grease, oil, curing compound or other foreign matter. Do not apply on standing water. Remove dust prior to application.
Concrete : Mechanical cleaning, shot-blasting, mechanical scrubbing or acid etch, depending on conditions.

**Mixing
Prosedure**

Mixing shall proceed at temperature 18⁰ C – 30⁰C to facilitate blending. Stir each component seperately before blending. Pour part A component into part B component pails and thoroughly mix with a low speed electric drill mixer or special epoxy mixer for approximately 3 minutes. It is suggested not mixing large quantities of epoxy in one blend, excessive heat will shorten pot life. Pour and blend pre-mixed pails of MergussEpoxy Floor, apply, and mix other.

**Safety
Precautions**

Use with adequate ventilation. Use proper respiratory protection and gloves when required. Practice reasonable care and cleanliness is always recomanded.

Storage

Cool dry condition