

METEOR PRIMER

Fast-setting priming resin for mineral substrates
- **RAPID** variant

APPLICATION

Fast setting resin for priming (reinforcing) the substrate before further operations. Cures at both low temperatures, elevated humidity and substrate. Excellent for priming fresh concrete.

SUBSTRATE

The mineral substrate should be of class min. C20/25, with a stripping strength of min. 1.5 MPa. During curing, the resin is not sensitive to moisture, either from the substrate or from the air, however, the surface moisture of the substrate should not exceed 15% (substrate should be dull damp, e.g. surface dried after flooding with water). It should be noted that sealing an unsealed substrate with an epoxy system may cause the system to become unsealed due to the vapour pressure in the substrate. The top coat must be free of cement laitance, dirt and old coatings. The best way to prepare the substrate is by shot blasting.

ADVANTAGES

- very fast curing (see table below)
- moisture resistance during curing - resin sets even under water
- low viscosity
- large penetration depth
- can be used at temperatures from 0° C
- very good mechanical properties

METHODS OF APPLICATION

Painting with a resin roller (nylon roller), brush.

EFFICIENCY

Under normal conditions, on a not very absorbent substrate, the consumption is 0.15 - 0.25 kg/m² per coat.

MIXING AND PERFORMANCE CONDITIONS

Before use, mix Component A, add the weighed amount of Component B, mix thoroughly for approx. 3-4 minutes using a slow speed mixer. Once the components have been mixed, the curing process has begun irreversibly, always prepare a portion that can be applied evenly within approx. 10 minutes. Priming can be carried out in a wide temperature range (as low as 0° C) and at a much higher air and substrate humidity than with standard epoxy systems.

TECHNICAL PARAMETERS

	PARAMETER	VALUE	UNIT
1	Mixing ratio Component A Component B	100 56	by weight by weight
2	Density	1.00 to 1.20	[g/cm ³]
3	Viscosity	400 to 600	[mPa*s].
4	Shelf life at 20°C	10	[min].
5	Curing time at 25°C:		
	• dry to the touch	1,5	[h]
	• surface hardened	2	[h]
• hardened through	4	[h]	
6	Curing time at 5°C:		
	• dry to the touch	3,5	[h]
	• surface hardened	7	[h]
• hardened through	11	[h]	
7	Curing time at 0°C:		
	• dry to the touch	4	[h]
	• surface hardened	10	[h]
• hardened through	16	[h]	

TOOLS CLEANING

Clean tools and any contamination freshly with acetone or other epoxy solvent. If cured, the resin can only be removed mechanically.

CLEANING AND MAINTENANCE OF A FLOOR

- **Si-Clean** for daily cleaning and care
- **Si-Wax** self-gloss polymer paste
- **Si-Active Resin Clean** alkaline remover for thorough cleaning and removal of heavy soiling

STORAGE

Store resin and hardener in closed factory containers. Do not allow to freeze. Do not heat above +25° C.

CONTAINERS

Metal cans (Component A and B). Set: 10 kg (A: 6.4 kg + B: 3.6 kg)

HEALTH AND SAFETY REQUIREMENTS

Some components of flooring compounds in their uncured state are harmful to health. They can cause allergies in particularly sensitive people. Special precautions must be taken when carrying out the work. The rooms where the floors are prepared and applied must be well ventilated. Workers should wear: clothing, shoes, protective goggles and gloves. Detailed safety rules are given in the Safety Data Sheets of the ingredients. METEOR epoxy flooring compounds, after curing, are physiologically inert for the human body, provide a washable surface, and therefore can be used in the pharmaceutical, cosmetic and food industries.