Si-Tech Sp. z o. o.
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METEOR COLOR

COLORFUL, SELF-SPREADING HIGH GLOSS EPOXY RESIN - SCREED version

USE

Two-component solvent-free epoxy resin for final layers in smooth systems. The screed is specially formulated for pouring in thick layers - it spreads and vents perfectly.

FOUNDATION

The mineral substrate should be of class min. C20/25, with a peel strength of min. 1.5 MPa. The relative humidity of the substrate should not be higher than 4% (by weight). The substrate should be primed with epoxy primer. The top layer before the priming operation must be free of cement polish, dirt, old coatings. The best way to prepare the substrate is blasting. Alternatively, the substrate can be milled or sanded to expose aggregates. Before priming, the surface must be dusted off and degreased.

ADVANTAGES

- total resistance to crystallization
- **very good flowability**
- **very good adhesion to the substrate**
- **very good mechanical properties**
- **available in all RAL colors**

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APPLICATION METHODS

Toothed squeegee, spiked roller for venting.

EFFICIENCY

The consumption should be 0,6 - 2 kg/m², depending on the desired effect.
The higher the consumption, the smoother and more even (mirror-like) surface.

DIRECTIONS

Before use, Mix Component A, add the weighed amount of Component B, mix thoroughly for about 3-4 minutes using a slow speed mixer. After mixing the ingredients, the curing process begins irreversibly, always prepare a portion that can be applied evenly in about 15-20 minutes. Work should be carried out at temperatures from 15 to 25°C. The relative humidity of the air should not exceed 75%.

TECHNICAL SPECIFICATIONS

	PARAMETER	VALUE	UNIT
1	Mixing ratio Component A Component B	 100 30	 by weight by weight
2	Density	1,2 - 1,4	[g/cm3]
3	Viscosity	600 - 800	[mPa*s]
4	Shelf life in 20°C	20-25	[min]
5	Curing time	24	[h]
6	Reaction to fire	B_{fl}-s1	-
7	Temperature resistance during use	to 70	[°C]
8	Water permeability	no permeability	-
9	Abrasion resistance	AR0,5 (for the smooth system)	[class]

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10	Compressive strength	>80	[MPa]
11	Bending strength	>60	[MPa]
12	Peel strength (primed surface)	>2,5	[MPa]
13	Surface hardness (14 days at 20°C)	Min. 80 Shore D	-
14	Impact resistance	≥IR4	-

TOOL 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 RESIN FLOORING

- **Si-Clean –** preparation for daily cleaning and care
- **Si-Wax –** self-gloss polymer paste
- **Si-Active Resin Clean –** Alkaline remover for thorough cleaning and removal of tough dirt

STORAGE

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

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CONTAINERS

Metal buckets (Component A and B)

HEALTH AND SAFETY REQUIREMENTS

Some components of flooring compounds in their uncured state are harmful to health. In particularly sensitive people, they can cause allergies. Special precautions must be taken when performing the work. The rooms where floors are prepared and made must be well ventilated. Workers should use: clothes, shoes, goggles and protective gloves. Detailed safety rules are given in the Safety Data Sheets of the ingredients. Meteor epoxy flooring compounds after curing are physiologically inert to the human body, give a washable surface, so they can be used in the pharmaceutical, cosmetic and food industries.

Note: *The above information has been prepared on the basis of our best technical knowledge, but does not constitute the subject of legal obligations.*

The product has Hygienic Certificate No. 406/322/414/2020

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