

PLEXMIX

DISCRIPTION:

Plexmix is a two-component material based on methacrylic resin designed for quick repairs, hole repairs. The total curing time of Plexmix is about 20 minutes. Plexmix can be applied directly to concrete or asphalt to repair surface cracks without using a primer, in the case of larger defects it is recommended to use the Plex 1120 primer. Plexmix can be applied at low temperatures.

Additional documentation: Test report available

APPLICATION:

Mixing Ratio: Component A: Component B = 89,6 : 10,4

The material consists of two components, A and B. Before pouring, the ingredients must be thoroughly mixed together in accordance with the prescribed mixing ratios.

The individual ingredients are supplied in mutually matched quantities. When processing part of the contents of the package, it is necessary to weigh the ingredients in accordance with the given proportions.

Up to 1 cm:

To fill surface cracks up to 1 cm, apply Plexmix (mixture of components A and B) directly to the substrate without the need for priming.

Up to 4 cm:

For filling up holes up to 4 cm add additional course gravel (50%) and apply to the primed surface.

APPLICATION CONDITIONS:

Substrate temperature:	Minimum 0°C, maximum +30 °C
Ambient temperature:	Minimum 0°C, maximum +30 °C
Relative humidity:	Maximum 75% R.H.
Dew point:	Beware of condensation!

The recommended temperature of the material before application is 20 degrees Celsius.

SUBSTRATE PREPARATION:

Substrate preparation:

The substrate must be robust and sufficiently resistant to pressure (minimum 25 N/mm²), with a minimum bond strength of 1.5 N/mm².

The substrate must be clean, dry, and free of dirt, oil, grease, and other contaminants.

Remove weak concrete and loose cement substrates and repair surface damage such as holes and cavities.

Completely remove dust and crumbling material from all surfaces, preferably with a broom and/or industrial vacuum cleaner, prior to application.

Laying conditions:

The recommended temperature of the material before applying it is 20 degrees C. The material should not be applied to the substrate if its temperature is lower than or equal to the dew point. In the rooms where the material is laid, good ventilation should be ensured.

FEATURES:

Excellent adhesion to the substrate

Good mechanical resistance

Very short curing time

Can be applied at low temperatures

Fast curing for quick repairs in high-traffic areas

TECHNICAL PROPERTIES:

Mixing ratio	89,6 A - 10,4 B
Cure time	approx. 20 min
Flexural strength	21.1 ± 12.1 N/mm ²
Compressive strength	78.5 ± 8.9 N/mm ²

PACKAGE:

Set:	10, 20 kg
Component A:	8,96 kg
Component B:	1,04 kg

FORM:

Component A: Quartz mixture
Component B : Liquid

COLORS:

Available colors: clear, grey, black.

SHELF LIFE:

Up to 12 months after production date in original, sealed, non-opened and undamaged packaging, stored dry between +10 °C and +30 °C.

IMPORTANT REMARKS:

- Appropriate personal protective equipment must be worn when applying the material.
- Protection from rain and water is necessary during application and curing.
- Improper assessment and treatment of cracks can lead to their recurrence.
- Mixed materials should be processed immediately.
- If heating is required, do not use gas, paraffin oil, or other fossil fuel burners. They produce large amounts of CO₂ and water vapour, which adversely affect the finish. Only electrically powered hot air ventilation systems should be used for heating.
- All employees should be thoroughly trained in the handling of methacrylic resins and hardeners in relation to the hazards involved.
- Allergy sufferers must not be allowed to work on resins.
- Wear protective gloves and goggles if there is a risk of splashing resin.
- After each contact of the resin with the skin, wash your hands with water and mild cleaning agents (this is especially important before meals).
- For hygiene reasons, you should not eat or drink in the workplace and do not smoke there.

DATA BASIS:

All specifications in this product sheet are based on laboratory tests. The data is subject to change depending on the circumstances.

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

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