

PLEXMIX EL

DESCRIPTION:

Plexmix EL is the elasticized version of the well-known standard Plexmix. Compared to the standard formulation, Plexmix EL offers enhanced flexibility and a longer open time, making it easier to work with and suitable for application in thicker layers without the need for coarse gravel.

Plexmix EL is a two-component repair material based on methacrylic resin, specifically developed for rapid repairs and pothole restoration. The total curing time is approximately 30-60 minutes.

The product can be applied directly onto concrete or asphalt for the repair of surface cracks without the use of a primer. For larger defects, the use of Plex 1120 primer is recommended. Plexmix EL can also 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 EL (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 coarse 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/mm²

Compressive strength 78.5 ± 8.9 N/mm²

PACKAGING:

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.

LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

VALUE BASE:

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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