

Technical Data Sheet

Epox-4113

(Epoxy adhesive for installing Light passing natural stone slabs)

Product description

This product is a transparent two-component epoxy adhesive with the property of non-slip and filling to stick different surfaces to different types in the construction industry. This product is used to install natural marble slabs that are capable of transmitting light. This two-component adhesive can be easily used after mixing and is baked in environmental conditions.

Application areas

Natural stones pass light

Advantages

Thixotropic tissue, which combines easily

No falling on vertical surfaces

Quick setup

Adhesion and curing in adverse conditions (cold and wet)

Maintain good strength after prolonged immersion in water

Very good chemical resistance



Typical Properties

| | Part A | Part B |
|------------------------------|-------------------|-------------------|
| Appearance | Thixotropic paste | Thixotropic paste |
| Colour | white | clear |
| Density (g/cm ³) | 1.2 | 1.2 |

Pretreatment

The strength and durability of a bonded joint are dependent on proper treatment of the surfaces to be bonded. At the very least, joint surfaces should be cleaned with a good degreasing agent such as acetone, isopropanol (for plastics) or other proprietary degreasing agents in order to remove all traces of oil, grease and dirt. Low-grade alcohol, gasoline, or paint thinners should never be used. The strongest and most durable joints are obtained by either mechanically abrading or chemically etching the degreased surfaces. Abrading should be followed by a second degreasing treatment.

Processing Data

| | |
|----------------------------------|---|
| Mixing Ratio: | 1 part resin to 5 part hardener by weight |
| Working life at 25°C: | 20 minutes |
| Minimum Application Temperature: | 10°C |
| Minimum Cure Time: | 12 hours at 25°C |
| Full Cure Time: | 4 days at 25°C |

Equipment maintenance

All tools should be cleaned with hot soapy water before the adhesive residue dries. Removing cooked debris is a difficult and time consuming operation. If solvents such as acetone are used for cleaning, staff should take appropriate precautions and, in addition, avoid skin and eye contact.



Typical Physical Properties

| Property | value | test method |
|------------------------------------|--------|-------------|
| tensile strength | 30 mpa | ASTM D638 |
| tensile shear strength steel/steel | 10 mpa | ASTM D1002 |
| compressive strength | 65 mpa | ASTM D695 |
| flexural strength | 18 mpa | ASTM D790 |

health and safety

The adhesive should be stored in closed containers at a temperature of 25 degrees.

After using the material, close the lid of the remaining material tightly.

Before using the material on the surface, make sure that there is no dust, damp or moisture on the surface.

Before using the material, clean the surface from any grease and dirt.

Wear industrial gloves and a mask when using materials.

