

eile EPX 927

Epoxy Based Adhesive Mortar with Two Components

Description

It is a thixotropic, highly resistant, solvent free and pasty adhesive and sealant mortar with two components.

Usage Areas

It is used in bonding coating materials such as ceramics, tiles, granite ceramics, glass mosaics, alumina bricks on masonry and/or sheet plates on walls and floors, in the areas where resistance against chemicals is required.

Features of Product

- *It is easy to apply.
- *It is thixotropic.
- *It has high adhesion strength.
- *It is easily applicable due to its pasty consistency.
- *It can be resistant up to 150 °C.

Application Procedure

Surface Preparation

The application surfaces must be clean and free from oil, dirt, loose parts, cement slurry and all adherence reducing materials.

Mixture Preparation

Taking the mixture ratios into consideration, the A and B components should be mixed with a low speed mixer for at least 3-4 minutes until it becomes homogeneous.

Mixture ratios

By weight A:B 3:1

Application

The prepared **EPX 927** should be applied on the surface and its thickness should be maintained using a notched trowel. The notch size of the trowel should be determined based on the ceramic size and floor smoothness. For better adhesion, it must be pressured using a rubber hammer.

Consumption

1.7-3.4 kg/m² for 1-2 mm thickness

Points to take into consideration

*The surfaces should have the sufficient resistance. The concrete must have minimum 25 N/ mm² compressive strength and minimum 1.5- 2 N/mm² tensile strength.

*The surface must be clean, smooth, and dry and moisturized less than 5%. If there is more moisture, surface epoxy primer for wet surfaces should be applied.

*Application should be avoided if the temperature is below 10°C and the surface is too wet.

*Mixture ratios should be observed.

*It can be walked on within approximately 12 hours at 20°C.

Technical Specifications

Initial Shear Adhesion Strength: $\geq 2 \text{ N/mm}^2$

Shear Adhesion Strength after immersed in water: $\geq 2 \text{ N/mm}^2$

Shear Adhesion Strength after open waiting period (at least 20 minutes later): $\geq 0.5 \text{ N/mm}^2$

Shear Adhesion Strength after Thermal Shock: $\geq 2 \text{ N/mm}^2$

Slipping : $\leq 0.5 \text{ mm}$

The typical values above are valid for the performances of the applications 28 days after their finish at +23°C for 50% relative humidity. The values might change due to the differences in the worksite environment.

Packaging

Component A is comp. buckets of 4.5 kg

Component B is comp. buckets of 1.5 kg

Storage

Best stored in its unopened original package in a cool and dry place between +5°C and +35°C away from direct sunlight.

Shelf Life: 12 months following the production date under the specified storage conditions.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

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