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TECHNICAL DATA SHEET

Epoxol® Putty/Liquid

Two-component bonding-sealing system based on epoxy resins and hardener.

Applications

Epoxol® is suitable for several cases that demand resistance to thermal and mechanical stress, corrosive agents and impermeability to water. It is recommended for strong bonding of metals, concrete, wood, ceramics, building materials, heat insulating tiles, polyester, hard plastics (e.g. PVC), etc. It is particularly suitable for bonding aluminium, copper, iron, other metals and alloys, porcelain, PVC piping, as well as for fixing tank tiles or flooring that is in contact with water or solutions of chemicals.

The product is also appropriate for repairing damages on cars, yachts, boats, fuel tanks, sewage piping, and can be reinforced with glass (Fiberglass), carbon (Carbon Fiber), and aramide (Kevlar) fibres.

Epoxol® is also widely used in electrical and electronic applications (as a matrix or a sealant).

Properties

Epoxol® consists of pure resins and selected hardeners and does not contain solvents, extenders or fillers. The product is offered in two types: as Epoxol® Putty that has high viscosity and thus fills large gaps without flowing, and as Epoxol® Liquid for spreading on bigger surfaces for easier application, better coverage and filling smaller gaps and openings.

Technical characteristics

Epoxy resin with polyamide hardener

Epoxol Stucco

Component A: gel (white)

Component B: gel (amber)

Epoxol Liquid

Density of Component A: 1,16 g/cm³

Density of Component B: 0,97 g/cm³

Mixture appearance: Transparent, amber

Hardening time at 20 °C: 5 - 6 hours approximately

Pot life at 20 °C: 2 hours approximately

Full hardening: 5 - 7 days

Higher temperatures decrease the times mentioned above, while low temperatures prolong them

PROPERTIES OF THE HARDENED PRODUCT

at temperatures up to 120-130 °C

compressive strength: 750 kP/cm²

tensile strength: 130 kP/cm²

flexural strength: 340 kP/cm²

bonded on iron, concrete 40 kP/cm²

resistance to water and sea water good

resistance to detergents excellent

resistance to alkalis excellent

resistance to dilute acids very good

resistance to fuels and lubricants excellent

Surface preparation

The substrate should be clean, dry and free from dust, oil, grease, or any poorly adhering material. The surfaces that will be bonded should be preferably cleaned with solvent, acetone, or gasoline. Sanding non-porous or glossy substrates always improves the final result. It is advisable to prime metallic substrates with **Neopox Special Primer 1225** before using the product.

Application

Use a different tool each time to obtain the required amount of material from the original container of each component. Mix thoroughly the two components at the desirable ratio and apply with caution.

A) The usual mixing dosage for bonding is 1 part component A to 1 part component B by weight. Small deviations from this ratio do not affect the final properties significantly.

B) The product may be used in other ratios, such as: mixing 2 part component A with 1 part component B produces a very hard mass, suitable for e.g. fixing concrete reinforcements, electrical and electronic applications.

C) Mixing 1 part component A with 2-2.5 parts component B yields a product that is recommended for applications that require elasticity, such as sealing joints or gaps that withstand contractions or expansions.

Cleaning of tools

Use **Solvent Neotex 1021** immediately after application.

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Stain removal

Use the solvent mentioned above when the stain is still fresh and damp. In case of hardened stains, use mechanical means or a paint remover.

Packaging

Putty: Set of 1kg, 6kg and 20kg in plastic containers

Liquid: Set of 1kg, 6kg and 24kg in plastic containers

Storage stability

Unlimited when the two components are kept sealed and separated in their unopened original containers.

Safety precautions

Component A: R36/38-R40-R43-R51/53

S26-S36/37/39-S61

Xn, N

Component B: R36/37/38-R43-R50/53

S24/25-S26-S36/37/39

Xn, N