

Epoxy 1021

Epoxy adhesive



Description

Epoxy 1021 is two component solvent free epoxy resin, special designed as bonding agent for metal, plastic, rubber, concrete ...etc. The cured resin exhibits several outstanding properties such as high bonding strength to a wide range of substrate, high mechanical strength, outstanding resistant against water and chemicals, negligible shrinkage ...etc.

Recommended Application

It is intended to use as bonding agent for metal, plastic, rubber, concrete (includes damp concrete, old and new concrete); If mixed with quartz sand, it can be used as epoxy mortar for patching compound.

Base

Resin and polyamide hardener

APPEARANCE

Color

Yellow brown viscous liquid

Finish

Semi-gloss

APPLICATION DATA

Solid Content	100%
Mixing Ratio, Resin : Hardener	1 : 0.8 by weight
Viscosity (at 25°C)	Part A: 12000-15000 mPa.s Part B: 35000 mPa.s
Specific gravity	Part A: 1.14 Part B: 0.98
Lowest Application Temp	5°C
Drying Time	Pot life : 1 hour (100 gram at 25°C) Touch dry : 2 hours x 25°C Hard dry : 12 hours x 25°C Full cured : 7 days
Overcoating Time	6 hours
Recommended Film Thickness	Depends on application
Cleaning agent	TH-500

Packaging

Unit size	Part A	Part B
2 kg / set	1.1 kg	0.9 kg
4 kg / set	2.2 kg	1.8 kg
8 kg / set	4.4 kg	3.6 kg
40 kg / set	22 kg	18 kg

Loyal Enterprise Company

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Storage and handling

Approx. 12 months in their original, unopened packages, and store under cover, out of direct sunlight and protect from temperatures at 5-30°C.

Application Method

1. Surface treatment: The surface to be bonded should be dry, clean and sound.
2. Mix Part A and Part B according to the mixing ratio and then apply to the surface to be bonded.
3. Wait until it dry for 6 hours.
4. Add some quartz sand or cement for sealing cracks or filling hole for reducing cost.

Technical Data

Shore D hardness	80
Bend strength	800 kg/cm ²
Tensile strength	540 kg/cm ²
Compressive strength	700 kg/cm ²
Adhesive Strength (Fe - Fe)	180 kg/ cm ²
Heat destroy temperature	65°C
Volatile Organic Compounds (VOC)	< 400 gm/ lit

Health and Safety

The product above contains polyamide hardener and is harmful to eyes and skin. Use protective clothing and rubber gloves.

The technical information and application advice given in this publication is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to the suitability of a product for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by commonwealth or State legislation the owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

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