Technical Data Sheet

CHEMRITE® EPOXY GEL

Multipurpose Epoxy Adhesive

Product Description

CHEMRITE® Epoxy Gel is an industrial grade, thixotropic, hydrophobic, non-migrating adhesive designed for bonding smooth or rough surfaces in horizontal, vertical or inverted applications. Its excellent structural properties and 1:1 ratio, makes it a great easy to use product.

Features

CHEMRITE® Epoxy gel is a versatile epoxy compound that has high tensile strength and great workability. The gels sticky properties and the 1:1 ratio make it a versatile adhesive for many applications, including underwater works. It bonds well to most substrates such as, concrete, tile, plasterboard, brick, timber and steel.

Some other features:

- Perfect for horizontal, vertical and inverted bonding
- High tensile strength
- Good solvent resistance to gas, oil and solvents
- Easy to mix (1:1 ratio)
- Easy to apply (good workability)
- Excellent gap filling qualities without tremendous shrinkage
- Excellent adhesion

Typical applications

- Adhering CHEMRITE Injection flanges and sealing cracks
- Bonding tiles, fabric or masonry to smooth or rough surfaces
- Forming a bond between stones
- Marine adhesive
- Inverted bonding applications
- Bonds well to:
    - Timber
    - Masonry
    - Fibreglass
    - Ceramic
    - Plasterboard
    - Concrete
    - Most metals
    - Prepared glass

Resistance to chemical spillage

- Sulphuric Acid
- Hydrochloric Acid
- Caustic
- Fuel
- Oils
- Ammonia solution
- Food emulsion

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Technical	
TYPE	Gel
Code	105.10.2
Work time (@25°C , 55% RH)	10 minutes
Cure Time (@25°C , 55% RH)	4 hours
Specific Gravity	1.12
Shelf life	12 months
Colours	Amber – can be coloured
Mixing proportion (volume)	1:1

Preparation and application

Preparation

Ensure the bonding surfaces are free from grease, oil, dust and lose particles. Scabbling, blasting or grinding is recommended to improve adhesion. If this is not possible, a roughening the surface with course sandpaper will improve adhesion. Where heavy detergents and water have been used, it is recommended that the area is left to dry for a minimum of 24 hrs.

Mix Preparation

As the epoxy gel is a 1:1 mix, equal volumes of part A and Part B should be removed from the respective containers. Place the material on a mixing board and mix with a broad knife or putty knife until the consistency is equal across the mix.

The Epoxy reaction is exothermic, so heat will be generated when part A is mixed with Part B. The larger the quantity mixed, the more heat generated. This heat will accelerate the curing process, therefore it is strongly recommended to start mixing in small until sufficient confidence is gained about the mix cure time.

Application

The gel should be applied by a trowel or a broad knife.

Cleaning

All tools and spillages can be cleaned before the curing process has started using the CHEMRITE® Epoxy cleaner (A011).

Packaging

CHEMRITE® Epoxy Gel is packaged 4, 10, 20 and 40 litre kits.

Safety Precautions

Whenever applying an epoxy resin, protective clothing must be worn. At a minimum, suitable rubber gloves and protective eyewear must be worn.

This epoxy is classified as hazardous and it is recommended that you refer to the Material Safety Data Sheet (MSDS).

Product Disclaimer

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