

CHEMRITE COATINGS – 135 (Acid Resistant)

Product Description

CHEMRITE® 135 is an industrial grade epoxy compound used for protecting surfaces against attack from corrosive chemicals. It shows good acid resistance. In combination with good chemical resistance it has high strength and great application properties making it an excellent coating for secondary containment and chemical storage areas.

Features

CHEMRITE 135 is a 2 part compound that can be applied by roller, brush or airless gun. It can be tinted to AS2700 colours however white is standard colour.

Some other features:

- Superior solution and colour stability
- Very low shrinkage
- Good through-cure
- Bonds well to most smooth and rough surfaces
- Excellent resistance to chlorides
- Can be coloured
- Easy to apply

Typical applications

- Protective coating to acid storage areas
- Repairs to damaged coatings
- Coatings of steel, stone, wood or concrete surfaces
- Anti-corrosion coatings

Chemical Resistance of CHEMRITE® 135 % Weight Change as a Function of Time

| | 3 Days | 28 Days |
|-------------------|--------|---------|
| 10% Lactic Acid | 1.75 | 5.09 |
| 10% Acetic Acid | 2.83 | 7.68 |
| 70% Sulfuric Acid | 0.22 | 0.35 |
| 98% Sulfuric Acid | 0.36 | -6.1 |

Technical

| | CHEMRITE® 135 |
|---|-----------------------|
| Work time (@25°C , 55% RH) | 20 minutes |
| Cure Time (@25°C , 55% RH) | 6 hours |
| Full Cure | 24 hours |
| Bond to concrete | Concrete failure |
| Specific Gravity | 1.2 |
| Shelf life | 24 Months |
| Colours | AS2700 |
| Coverage (when applied to an impermeable surface) | 8 m ² /l |
| Coverage (When applied to rough concrete) | 1.5 m ² /l |

Preparation and application

Concrete Preparation

Concrete should be cleaned free from grease and oil. When clean, remove all surface laitance or loose particles by grit blasting, grinding or scabbling. The entire surface must then be primed with CHEMRITE Primer 81. This primer will greatly improve adhesion and reduce the absorption of CHEMRITETM 135 on highly absorbent substrates.

Steel Preparation

Abrasive blast clean to AUSTRALIAN STANDARD AS1627:4 – 2005 to a Class 2 ½ near white metal finish. Apply CHEMRITE coating within 3 hours of blasting. For reinforcing steel, remove rust by abrasive blasting or power wire brush. A test patch should be applied if aged paint composition is unknown.

Mix Preparation

Empty all of the contents of the Part B container into the Part A container. Ensure that the container is emptied by using a trowel or scraper to scrape all remaining material from the container corners.

The epoxy compound should then be mixed at a very slow speed of 250 rpm, or by hand. Mixing should continue until it is clear that the product has a constant consistency and colour.

Application

CHEMRITE[®] 135 should be directly applied to primed or prepared surfaces. It can be applied by brush, roller or airless spray. Two coats will be required and three coats on highly absorbent substrates.

Cleaning

All tools and spillages can be cleaned before the curing process has started using the Epoxy Cleaner A011.

Packaging

CHEMRITE[®] 135 is packaged in 15 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

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product and how to use and apply the product based on the information available to us at the time. It is recommended that you read this TDS and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. If you are uncertain about any content herein, it is strongly recommended that you contact one of our technical experts for advice. Our responsibility for products sold is subject to the CHEMRITE Technologies standard terms and conditions of sale. We do not accept any liability for any losses suffered for damages of any nature whatsoever resulting from the use of or reliance upon information or the product to which information refers.

Updated: July 2013