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# Product Data Sheet PDS013: Armourcoat R13 Resin

For use with Armourcoat Polished Plaster powdered products

## 1 Product Description

Armourcoat R13 Resin is a water based acrylic emulsion polymer for use with Armourcoat powdered products to modify adhesion, toughness, suction and water resistance. Armourcoat R13 Resin can also be used to seal and consolidate gypsum plasters prior to being overcoated with Armourcoat Duturo. Armourcoat R13 Resin is solvent and ammonia free and will therefore produce low odour products.

## 2 Properties

- solvent and ammonia free
- alkyl phenol ethoxylate free
- excellent pigment binding capacity
- excellent alkali stability
- does not significantly affect setting characteristics of Armourcoat gypsum plasters.

## 3 Test Data

### 3.2 VOC Testing

A sample of Armourcoat R13 Resin was tested for VOC content following procedures outlined in ASTM D6886 Standard test method for speciation of the low VOC content waterborne air-dry coatings by GC.

Sample	VOC (grams/litre)
Armourcoat R13 Resin	<0.98

Testing was carried out by an Accredited American testing laboratory.

## 4 Health and Safety

Armourcoat R13 Resin is a water based, solvent free acrylic resin emulsion. Abide by safe working practices. Avoid contact with skin, eyes and clothes.

## 5 Application and Usage

Always wear a dust mask or respirator when mixing Armourcoat powder products. Depending on the Armourcoat product, the ratio of water:R13 making up the gauging liquid will vary from 6 : 1 to 2 : 1. Please consult individual product data sheets for the recommended levels.

- Mix Armourcoat R13 Resin and clean water in the required ratio and stir before adding sack of Armourcoat powder product.
- Pour the Armourcoat powder product gently into the water/R13/pigment (if required) solution and mix gently at first allowing the air to bubble out. Then increase the mixing speed of the drill and mix to a thick creamy lump free consistency.
- Leave the material to stand for 3 - 5 minutes and then mix once again before applying to the wall.

## 6 Coverage Rates

Armourcoat R13 Resin is packaged in 5litre and 25 litre units. Coverage rates will vary depending on the grade of the Armourcoat powder product and the mix ratio. Please consult individual product data sheets for coverage rates.

## 7 Storage

Store in dry conditions between 5° and 25°C. Protect from frost. Protect from sunlight and sources of direct heat. Keep container sealed when not in use.

The shelf life of Armourcoat R13 Resin in unopened container under correct storage conditions is 24 months from date of manufacture.

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