Regupur®

A Trademark of **Regupol®**

TECHNICAL DATA SHEET

REGUPUR® REGUSHIELD

PRODUCT DESCRIPTION

A two-component, solvent free, pure epoxy resin, used as a moisture vapour barrier on cement-based substrates containing high residual moisture. It is a low viscosity product with a high penetration capacity in the porosity of the substrate. Because of the absence of solvents, and very low odour it can be used in inhabitated environments (e.g. hospitals, schools, offices, etc).

MIXING

The components should not be mixed until the application is ready to start, and should be applied as soon as mixing is completed.

The two components are supplied in pre-measured ratios:

part A: 3 parts by weight;

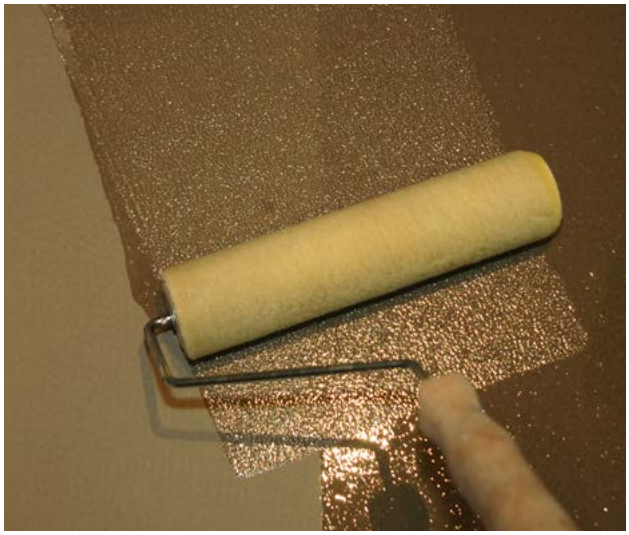
part B: 1 part by weight.

Mix the two components completely and accurately with a low speed mixer until a uniform mix is obtained.

APPLICATION PROCEDURE 1

Power Floated and New Substrates:

- The substrate should be abraded by mechanical means to remove any curing agents or contamination, to assist penetration and adhesion of the membrane
- The area should then be thoroughly vacuumed to remove all dust and debris
- Apply the first coat of Regupur® Regushield ensuring it is well worked into the substrate and that complete coverage of the area is achieved at a maximum rate of 30m² per 6 kg unit (depends on the porosity of the sub-floor) and allow to cure (approx 5 hours)



- Apply the second coat of Regupur® Regushield at right angles to the first coat, again ensuring complete coverage
- When the second coat has cured, a coat of Regupur® Reguprime primer should then be applied within maximum 24 hours (primer drying times vary with ambient conditions i.e. temperature and humidity)
- The levelling compounds should be applied within 24 hours of the primer application

APPLICATION PROCEDURE 2

Sand/Cement and Existing Substrates:

- All existing materials, adhesives, laitance and contamination should be removed prior to preparation work commencing.
- Any cracks in the substrate should be filled with Eporip.
- Where the substrate has a textured or profiled finish, Latexplan levelling compound should be applied to provide a level surface for the membrane to be applied onto.

TECHNICAL DATA (TYPICAL VALUES)

PRODUCT IDENTITY		
	Part A	Part B
Colour:	Transparent yellow	Transparent yellow
Density (g/m³):	1.12	1.00
Brookfield Viscosity (mPa·s):	350 (# 1 - rpm 50)	50 (# 1 - rpm 50)
Dry solid content (%):	100	100
Storage:	24 months	24 months

APPLICATION DATA	
Mix ratio:	Part A : part B = 3 : 1
Consistency of the mix:	Liquid
Colour:	Transparent
Density (g/m³):	1.1
Brookfield Viscosity (mPa·s):	300 (# 1 - rpm 10)
Application temperature ranges:	from +10°C to +30°C
Workability: – at +10°C: – at +23°C: – at +30°C:	 120 minutes 90 minutes 60 minutes
Setting time: – at +10°C: – at +23°C: – at +30°C:	 5-6 hours 3-4 hours 2-3 hours
Final curing at +23°C:	7 days

FINAL PERFORMANCES	
Resistance to abrasion:	Excellent
Resistance to moisture:	Excellent
Resistance to temperature:	Excellent
Adhesion to concrete (N/mm²):	> 3 (breaking point of substrate)

- Apply the first coat of Regupur® Reguprime ensuring it is well worked into the substrate and that complete coverage of the area is achieved at a maximum rate of 30m² per 6kg unit (depends on the porosity of the subfloor) and allow to cure (approx 5 hours)
- Apply the second coat of Regupur® Reguprime at right angles to the first coat, again ensuring complete coverage
- When the second coat has cured, a coat of Regupur® Reguprime primer should then be applied within maximum 24 hours. (primer drying times vary with ambient conditions i.e. temperature and humidity)
- The levelling compound should be applied within 24 hours of the primer application
- If required, the second coat of Regupur® Reguprime can be blended with sharp sand (when still fresh), which removes the need for a primer
- It is essential that pinhole free coatings be achieved

Underfloor Heating:

The screed must be allowed to cure for a minimum 28 day period.

The underfloor heating must be commissioned prior to the installation commencing; it should be turned on to +5°C and the temperature increased by +5°C per day up to a maximum +27°C, run at this temperature for several days then cooled down and switched off for at least 48 hours.

Up to a level of 97% RH, 2 coats of Regupur® Reguprime should be applied.

The heating must then remain off for a further 48 hours (minimum) after completion of the installation, and when turned back on run at a maximum temperature of +27°C in accordance with BS 8203 and BS 5325.

CLEANING

Regupur® Regushield can be cleaned from tools and clothing with ethyl alcohol while the product is still fresh.

COVERAGE

Approx 30m² per 6kg unit.

PACKAGING

6 kg (part A = 4.5 kg + part B = 1.5 kg).

ADR 2019
package quantity may be subject to change

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Regupur® Regushield, part A is irritant for eyes and skin. Regupur® Regushield part B is corrosive and can cause serious burns, is harmful in direct contact with skin and when swallowed. Both part A and part B may cause sensitive reactions to those predisposed. Always wear protective cloths, gloves and goggles; in case of contact with eyes, wash thoroughtly with water and seek medical advice.

Regupur® Regushield (part A and B) is dangerous for aquatic organisms: avoid release to the environment.

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

CMS DANSKIN ACOUSTICS

Scotland Office: Tel: **01698 356000** Fax: **01698 372222**
1 Netherton Road, Wishaw, ML2 0EQ

Central/Southern Office: Tel: **01925 577711** Fax: **01925 577733**
Unit 2 Lyncastle Road, Appleton, Warrington, WA4 4SN

Email: **info@cmsdanskin.co.uk** Website: **www.cmsdanskin.co.uk**

CMSDANSKIN ACOUSTICS

Issue 1 - 01/2018 MH