

## **COO-VAR DAMPSHIELD**

(Ref: Q124/DAMP)

### **Description**

Coo-Var Dampshield is a two-component resin membrane that is tolerant to residual moisture in concrete floors. This enables earlier access onto the floor than would otherwise be available for the application of screeds, coatings and other floor coverings including carpets, tiles, vinyl and wood. Being solvent free it is low odour during application which allows usage in areas where taint could be a problem.

### **Where to use**

Coo-Var Dampshield can be used on concrete floors and fine concrete screeds, of not less than 50mm thick, in the case of unbonded screeds. The surface must be of sufficient quality, continuity and mechanical strength to ensure even coating.

The product may also be applied to polymers, screeds and certain types of smoothing under-layments, provided these are well bonded. Such under-layments must be stable to the effects of water. If not the concrete must contain an integral damp-proof membrane to prevent further ingress of water from the ground.

Where laid onto a concrete surface where there is no damp-proof membrane (DPM) or where damage may have rendered the DPM ineffective, due consideration must be given to the possible presence of hydrostatic pressure, and the consequences of creating a barrier layer resulting in the pressure / water flow being directed elsewhere.

### **Chemical resistance**

Coo-Var Dampshield has good resistance to light chemical attack but is designed to be overcoated with other resin finishes.

### **Physical properties at 20 °C**

Coverage:	20m <sup>2</sup> per 5kg at 230 microns dry film thickness
Volume solids:	100 %
Density mixed:	1.05
Over-coating time:	Allow 10 hours at 20 °C
Application temperature limits:	5 – 30 °C
Shelf life:	1 year in unopened containers
Storage:	Store between 5 – 30 °C

### Specification

The system is selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

Relative humidity reading %	Coating thickness
75 – 85	1 coat Dampshield at 250 microns
85 – 92	2 coats Dampshield at 250 microns per coat
92 – 97	3 coats Dampshield at 250 microns per coat

### Preparation

Concrete surfaces must be prepared by scarifying, vacuum shot-blasting, planing or other suitable method. All traces of concrete hardeners or other contaminants must be removed. The surface must be thoroughly vacuumed to remove concrete dust and then protected against further contamination by suitable means. Surfaces must be free from liquid water and atmosphere must not be condensing.

### Application

Mix the contents of the hardener component with the base, using a slow speed power stirrer. Apply the mixed material with a lambswool roller. Where multiple coats are required, the system should be built up, allowing not less than 12 and not more than 48 hours between coats. Further applications of the topcoat, screed, self smoothing epoxy or other covering may then be made.

### Cleaning

Do not allow Dampshield to set on tools. Clean with an epoxy solvent.

### Hygiene

Dampshield is manufactured from resins and hardeners which are normally safe to use. However, it is not advisable to allow them to set on the skin and use of barrier cream and polythene gloves is recommended. After finishing, wash hands with plenty of soap and water.

This information is given in good faith and is based on experimental and practical work over many years. It should be noted that recommendations and suggestions are made without guarantee as the end use of product is beyond our control.

For further information please contact our technical department on **+44 (0)1132 455 450**