

## Technical Data Sheet

# SO DPM

## ONE COAT MEMBRANE



**SO DPM One Coat Membrane is a solvent free one coat, low viscosity, two component epoxy resin surface damp proof membrane, which is suitable for use in interior and exterior applications.**

### Description

SO DPM One Coat Membrane is a solvent free one coat, low viscosity, two component epoxy resin surface damp proof membrane, which is suitable for use in interior and exterior applications. When mixed to a homogenous blend and correctly applied it produces a durable surface membrane. It can be used in domestic, commercial, and industrial areas.

It is suitable as a damp proof membrane on cementitious substrates which have high level of relative humidity up to 98% (99.9% theoretical), when tested with a surface hygrometer in accordance with BS8203.

It is highly effective as a suppressant of residual moisture in concrete and sand: cement screeds and is widely used prior to the application of levelling screeds, smoothing underlayments, and tile installations. It should not be considered as a DPM where hydrostatic pressure is a concern. This will require additional measures such as the application of external tanking membranes or pressure relief drainage systems.

### Substrates

All surfaces must be sound, clean, and free from any grease, oil, release agents or other curing compounds, dirt or any other contaminants which may affect adhesion. Any existing screeds or levelling compounds which are not moisture resistant should be removed prior to application. It is recommended to conduct a trial adhesion test if in any doubt. Do not apply SO DPM One Coat Membrane if the ambient or surface temperature is below 5°C.

### Mixing

The SO DPM One Coat Membrane kit should be allowed to acclimatise to attain room temperature before mixing. The material functions best in room ambient temperatures of 10°C to 25°C. Lower temperatures will raise the viscosity of the product whilst higher temperatures will significantly reduce the pot life. The floor temperature should also be monitored to ensure it is a minimum of 3°C above the dew point to avoid the presence of moisture on the surface which could hinder adhesion.

The two components are pre-gauged in two separate chambers within the pack. Remove the lid of the smaller chamber and fully empty contents into the larger chamber/bucket, taking care to remove all of the product using a flat bladed trowel or scraper. The two components in the lower chamber/bucket can all then be mixed using an electric low speed drill/ paddle mixer until a uniform mix is achieved.

### Application

SO DPM One Coat Membrane is applied by pouring the mixed material on to the substrate and spreading an even coat using a B2 2.1x2.9 mm V Profile flooring notched trowel. Use mixed materials within ten minutes. Once applied, go over the surface immediately with a short pile roller to flatten out the trowel marks. Always pre-wet the roller before this operation to ensure that the applied coating is continuous and free from pin holes. The SO DPM One Coat Membrane should be applied at a set thickness of 250–350 microns.

### Cleaning

Clean tools thoroughly with a solvent based cleaning fluid immediately after use. Once cured DPM One Coat Membrane is difficult to remove.

### Shelf Life

12 months in unopened containers from the date of manufacturing.

### Storage

This product must be stored clear of the ground, under dry conditions and out of direct sunlight. Protect the liquid from frost. If allowed to freeze performance of the product cannot be guaranteed.

### Health & Safety

Wear suitable protective clothing, gloves, and eye/face protection. Ensure the working area is well ventilated, keep containers closed when not being used and take precautions to guard against naked flames and smoking.

The relevant Material Safety Data Sheet can be obtained from our website or directly from SO Flooring Products at the address below.

### How much material?

Applied Thickness	Approximate Coverage Per 10kg unit	Approximate Consumption Per 100m <sup>2</sup> Area
250-350 microns	20-24m <sup>2</sup>	4-5 units (10kg)

The table should be used for guidance purposes only and all information given can be affected by the substrate texture and absorbency. The coverage given is based on a smooth non absorbent subfloor.