

AndCoat DPM

Product Description

AndCoat DPM is a two-pack, solvent free epoxy-based surface coating and is able to be used as a damp tolerant primer and damp-proof membrane for use with the Andrews Coatings range of surface coatings and toppings. AndCoat DPM suppresses residual construction moisture and rising dampness in concrete and sand/cement screeds and can be used in situations where the relative humidity level is above 75%. It is applied by brush or roller in a one, two or three coat system. AndCoat DPM is also available in a fast cure version (AndCoat DPM FC).

Available Colours

AndCoat DPM is available in Clear or Platinum.

Product Advantages

- ◆ Moisture tolerant
- ◆ Moisture suppressant
- ◆ Excellent adhesion
- ◆ Good chemical resistance
- ◆ Moisture tolerant

Typical Areas of Usage

As a primer for concrete and sand and cement screeds with a residual moisture level greater than 75%RH, prior to application of Epoxy Resin and resilient floor systems.

Curing Schedule at 20°C

	AndCoat DPM	AndCoat DPM FC
Pot Life	30 minutes	15 minutes
Pedestrian Traffic	12 hours	6 hours

PLEASE NOTE

At lower temperatures the above cure times will be increased

Technical data after 28 Days at 20°C

Compressive Strength	N/A
Shore D Hardness	N/A
Bond Strength	> 3.3 Nmm ² (Concrete Failure)
Abrasion Resistance	N/A
Slip Resistance Pendulum Test to BS7976-2	N/A
VOC	190g /l Based on a fully mixed unit
Moisture Resistance	Up to 98% RH (Two Coat), if recommended dry film thickness is applied.

Surface Preparation

To be assured of maximum adhesion and best properties from Andrews Coatings's products the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old. The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm². The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments and contain a functioning damp proof membrane. If in doubt, apply a test area first. Concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired using recommended Andrews Coatings products.

Mixing

This product is supplied ready for use. No additions should be made. Pour all of the contents of the part B container into the part A container and thoroughly mix using a slow speed mixing drill and paddle, avoiding air entrapment. Mix for a minimum of 5 minutes until the material forms a uniform colour and consistency. Scrape down the sides after 2 minutes to ensure that all materials are fully incorporated. **Never mix by hand. Do not split packs.**



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Application

Apply the mixed material with a short to medium pile lambs wool roller making sure that the surface is thoroughly wetted out, ensure that the applied material is uniform and pinhole free.

The second coat of AndCoat DPM should be applied at right angles to the first coat, a minimum of twelve hours and no later than 36 hours after the first coat has cured (see Curing Time) and a minimum of six hours and no later than twenty-four hours after the first coat has cured for AndCoat DPM FC. The first coat must not be contaminated prior to applying the second coat. To function as an effective surface DPM the second/final coat MUST be free of defects/ pinholes, otherwise additional coats will be required. The ambient temperature of the substrate and works area should be a minimum of 15°C during the application and curing period, if not adhered to this can adversely affect the cure, colour and performance of the system.

Materials and substrate temperature must be above 10°C.

Packaging

AndCoat DPM is supplied in 5kg, 10kg and 25kg units.

Coverage Rate

Approximately 3.0 - 4.0 m² per kg per coat. Coverage is dependant on surface profile, texture, porosity and substrate temperature. In areas where high porosity is encountered a further coat must be applied to achieve a sealed surface of minimum film thickness 190 microns per applied coat.

Storage

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. AndCoat DPM has a maximum of twelve months shelf life when stored in the original, unopened containers.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Specific installation advice can be provided upon request. Please consult our Sales Department to confirm that this Data Sheet is the current issue.

Limitations

- ◆ This product is not a wearing finish and should be overcoated within the application time window.
- ◆ Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- ◆ Protect the floor surface from mechanical damage between coats, and during installation of subsequent finishes.
- ◆ The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.
- ◆ Protect the installed floor from damp, condensation and water for at least twenty-four hours at 20°C.
- ◆ Ensure that the ambient temperature remains above 10°C for at least twenty-four hours after installation.
- ◆ Never leave the mixed AndCoat DPM unit to stand for any length of time prior to application as this will result in heating of the product and considerably shorten its working time.
- ◆ Under no circumstances must the mixed material be left in an enclosed container as this will result in a build up of heat and the possible release of vapours. The mixed material must not be left unattended at any point until fully cured.
- ◆ AndCoat DPM is produced by a batch manufacturing process, despite controlled manufacturing procedures and tolerances, variations in colour can occur between different batches. Products from different batches should not be used in the same area or on surfaces close together.

Cleaning Equipment

Clean all equipment immediately after use with Xylene.



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CE		DOP 170006
EN 13813 SR-B 2.0		
Synthetic resin screed material for internal use in buildings		
Bond strength	> 2 Nmm ²	
Chemical resistance	NPD	
Electrical resistance	NPD	
Impact resistance	NPD	
Reaction to fire	NPD	
Release of corrosive substances	NPD	
Sound absorption	NPD	
Sound insulation	NPD	
Thermal resistance	NPD	
Water permeability	NPD	
Wear resistance	NPD	

Health & Safety

This product is manufactured from materials intended to achieve high levels of performance as safely as possible. Specific components require careful handling and suitable safety equipment, this information is given in the product safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water. For further information please consult our Technical department.

General Notes

This product data sheet should be read in conjunction with the relevant Safety Data Sheet and the Terms and Conditions of Sale. The information given in this data sheet is based on tests and experience and is believed to be reliable. The information and any samples provided are to assist purchasers to determine for themselves the suitability of the product for their particular application. Samples are provided to indicate colour and typical finish, however they are produced under laboratory conditions onto flat,

prepared and primed surfaces, the finish achieved on site may differ due to substrate, site conditions and application techniques.

Any specification or advice provided by the company, it's representatives or agents, is based on the information supplied by the purchaser. The company cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. Nor can the company be accountable for composite systems howsoever they are put together, and independent advice should be sought. Some materials used in this product may be derived from natural sources. As such some variation may occur. Variations in substrate and prevailing site conditions may also contribute to variation in finish and colour.

