

Technical Data Sheet

Date of compilation: 12/08/2021

ARC ACRYLIC DPM

DESCRIPTION

Acrylic DPM is a ready to use, one part, water based moisture vapour suppressant. A surface moisture vapour suppressant developed to suppress residual construction moisture in cementitious subfloors including power floated concrete and sand & cement screeds.

BENEFITS

- Guarantees the early satisfactory laying of floor coverings to sand/cement and concrete bases where moisture content is up to 95% RH.
- Rapid drying - Approximately 1 hour at 20°C
- Easy to apply - single component, no mixing required
- Water based, low VOC compliant
- Suitable for heated concrete and sand & cement screeds (provided the surface temperature does not exceed 27°C)



MOISTURE TESTING

- Hygrometer readings must be taken and recorded so that the correct system can be selected.
- Concrete curing compounds and over-trowelled concrete will extend the time taken for the hygrometer to reach equilibrium.
- Subfloor measurement readings of up to 95% RH can be accommodated with the system.

PRODUCT INFORMATION

Conditioning

Condition the contents by storing for 24 hours between 15°C and 25°C, as cooler temperatures will increase viscosity and make application more difficult. Higher temperatures will speed the chemical reaction and therefore reduce working pot life.

Preparation

The surface must be firm, sound, clean, dry and free of any other contaminants liable to prevent penetration into the substrate or adhesion to the surface.

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All dust and plaster deposits must be removed and vacuumed. Remove all surface water. Highly polished surfaces or concrete containing a curing agent or surface hardener may require shot blasting. Power floated concrete must be abraded or shot blasted to provide a good key for adhesion.

Priming

In all circumstances priming is required. For further information please contact Arc Building Products Technical Services.

APPLICATION

Note: drying times are based on ambient conditions, and will be slower in cold and/or wet conditions. Good ventilation is essential.

Shake the container to mix contents prior to use and pour into a rectangular bucket or paint tray.

Arc Acrylic DPM must be applied in two coats.

First Coat: Pre-wet a roller in the Arc Acrylic DPM. Apply the 1st coat in one direction ensuring that the worked material is well into the substrate.

Second Coat: When the 1st coat is touch dry, approximately 15-30 minutes at 20°C, apply the 2nd coat in a direction at right angles to the first coat.

It is essential that a pin-hole free coating is achieved and to maintain a coverage rate of 32 m² per 5kg per coat (i.e. 5 kg unit covers 16 m² @ 2 coats). The overall dry film coating thickness should be a minimum of 150 microns. Allow to dry to a tack-free film. At 20°C the drying time will be approximately 30 to 60 minutes on the first coat and 60 to 120 minutes on the second coat. Cover with a minimum 3mm thickness of an appropriate Arc smoothing compound to provide an absorption medium for any subsequent adhesive. It is not always necessary to cover Arc Acrylic DPM with a smoothing compound as certain Arc adhesives may be applied directly. In all cases it is advisable to apply the adhesive between 1 and 2 days after the final coat of Arc Acrylic DPM. For further information contact Arc Building Products Technical Department.

LIMITATIONS

Not recommended for application onto gypsum based screeds or dusty surfaces.

STORAGE & PACKAGING

Store between 5°C and 40°C in shaded, dry conditions. Protect from frost.

Shelf life is 6 months when stored in its original unopened containers.

Supplied in 5lt containers, 4 units per box.

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PROPERTIES

PROPERTY	VALUE
Composition	Modified synthetic polymer emulsion
Density (at +25°C)	1.0
Chemical Resistance	Consult technical department
Coverage	2 coats will cover up to 16 m ² per 5 kg unit
Drying time	1 hour at 20°C

HEALTH & SAFETY

For more information and precautions for use refer to the safety data sheet.

NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.