



## PRODUCT DETAILS

Product name	<b>Proteus Cold Melt® DPM Primer</b>
Product type	Surface primer

## PRODUCT DESCRIPTION

**Proteus Cold Melt® DPM Primer** is a two component (resin + hardener), virtually solvent free, liquid applied surface primer. It is designed for use as a damp primer over green concrete and substrates with high levels of residual moisture.

**Proteus Cold Melt® DPM Primer** is used to bring forward the installation of waterproofing. Natural drying times of concrete are usually in excess of 28 days, **Proteus Cold Melt® DPM Primer** brings this to a minimum of **3 days** (subject to a successful adhesion test).

## APPLICATION

**Proteus Cold Melt® DPM Primer** is for use on substrates containing high levels of moisture, such as:

- Concrete
- Asphalt
- Cementitious screeds

Moisture testing should be carried out in accordance with **BS 8203**.

**Proteus Cold Melt® DPM Primer** should only be used in conjunction with **Proteus Cold Melt®** and **Proteus Hot Melt®** systems. For any other applications please contact Proteus.

## INSTALLATION

### Substrate preparation

- Repair substrate defects such as holes, voids, tears, and cracks, using suitable materials
- All loose and friable material must be removed by mechanical means where necessary
- Oil, dust, and debris should be removed by brush and vacuum
- Any defective or decayed areas of the substrate or insulation should be cut out, repaired, and reinstated to provide a solid base
- Surfaces should be sound, clean, dry, free from defects, visible dampness, fungal growth, and corrosion
- Adhesion tests may be required to confirm substrate suitability before installation
- All details should be primed prior to installation. Contact Proteus for specific information on priming
- Surfaces with hygrometer readings up to **98% RH** in accordance with **BS 8203** can be accommodated

### Substrate quality

- There should not be any deflections in the substrate to avoid the risk of ponding water
- There should be no bond breaking contamination or deformation and no smooth shiny surface patina
- The minimum finished fall must be at least **1:80** in accordance with **BS 6229**, this is to guarantee a proper rainwater runoff

## Treatment of cracks and joints

- Cracks and splits greater than **0.5mm** should be neatly cut out and repaid using an appropriate repair material
- Use appropriate methods such as surface bandaging, filling, and transferring cracks into joints as specified in **EN 1504-10**

## Preparation of product

- Mix the resin component before adding the hardener component
- Add hardener, fully submerge mixing paddle, and mix on low speed (**300-400 rpm**) for a minimum of **3 minutes**
- Scrape the vessel several times during mixing to achieve a homogeneous mixture
- Part mixing of pre proportioned units is not recommended

## Installation methods/tools

- Apply **Proteus Cold Melt® DPM Primer** immediately using a rubber lipped squeegee at a coverage rate of **0.4 kg/m<sup>2</sup>**
- For installation on porous surfaces, apply **2 x 0.4 kg/m<sup>2</sup>** coats to achieve a total coverage rate of **0.8 kg/m<sup>2</sup>**
- A looped or spiked roller will reduce the appearance of trowel/squeegee marks

Average Temperature	Useable working life after mixing	Overcoating times
10°C	45 minutes	24 – 36 hours
20°C	30 minutes	12 – 36 hours
30°C	<15 minutes	6 – 24 hours

If application process is interrupted for over **36 hours**, the edge should be mechanically abraded and/or solvent wiped

- Allow the solvent to fully evaporate before proceeding
- If applying to an aggregate blinded surface, ensure that the surface is completely dry before proceeding

Curing times			
Average Temperature	Foot Traffic	Light Traffic	Fully Cured
10°C	24 hours	5 days	14 days
20°C	12 hours	3 days	7 days
30°C	8 hours	2 days	5 days

## Cleaning of tools

- Tools and equipment must be cleaned immediately after use with **Proteus Tool Cleaner**

## CERTIFICATION

Type	Name	Reference
BBA	Proteus Cold Melt®	16/5311

## TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Bond strength	1.5	N/mm <sup>2</sup>	EN 13813
Density	1.2	kg/L	-
Solid content	100% (by volume) 100% (by weight)	-	-

## SIZE, FINISH AND COLOUR

Product Code	Diameter (mm)	Height (mm)	Weight (kg)	Colour
CMDPPR05	200	220	3.42	Light Brown
CMDPPR10	260	300	6.84	Light Brown
CMDPPR05H	110	220	1.58	Light Brown
CMDPPR10H	160	230	3.16	Light Brown

## SHELF LIFE AND HANDLING

- Product shelf life is **12 months** when un-opened packs are stored off the ground in a covered dry store
- Storage area temperature should be between **10°C and 30°C** and out of direct sunlight
- Protect from frost

## MATERIAL

A non-pigmented epoxy/amine resin.

## PACKAGING

Proteus Cold Melt® DPM Primer is supplied in **5 kg** and **10 kg** packs.

## LIMITATIONS OF USE

- Application should not be carried out if rain is expected
- Products and systems should be installed by competent persons
- The substrate and ambient temperatures should be within **5°C to 30°C**
- Ambient relative humidity must be no more than **80%**
- The substrate must be at least **3°C** above the dew point
- Direct flame applications

## CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Proteus Cold Melt® DPM Primer** Material Safety Datasheet ( [Resin](#) | [Hardener](#) ).

## GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

## GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)