

Product Datasheet

Caltech METcoat

Sheet NO PD549FR
 Issued: March 2024
 Pages: 1 of 2

Description

A cold-applied hardwearing colour stable topcoat which cures to form a seamless, durable waterproofing solution.

Use

Specifically developed for the long-term waterproofing refurbishment of mechanically sound architectural sheet roofs and and cut edge corrosion.

Characteristics/Advantages

- Low maintenance.
- Cold applied seamless liquid applied.
- Applied as a full waterproofing solution or to treat cut-edge corrosion only to existing roof sheeting.
- Different coating options according to warranty term with up to 20 years of waterproof protection.
- UV stable throughout the whole membrane.

Product information

Chemical base: A two part pigmented acrylic polyurethane containing aromatic hydrocarbon and glycol ester solvents.
 Volume solids: 50%.
 Typical thickness: 50 microns dft from 100 wft.
 Theoretical coverage: Refer to system application rates.
 Practical coverage: Reduced by up to 20%.
 Appearance: Satin sheen / full coverage range.
 Colour range: Goosewing Grey (other RAL/BS/NCS shades to order, subject to minimum quantity).
 VOC content: EU limit value for this product (cat A/j): 500g/l (2010). This product contains max 500 g/l VOC.

System information

Mix ratio: 1 unit of Activator to 1 unit of Base.
 Mix thoroughly for at least 5 minutes until the product is smooth and even. Allow to rest for 5 minutes before using. Do not mix part units. Poorly activated or incorrectly mixed material will affect performance and may cause early failure or discolouration.

Application summary:

15 Year System

Caltech METPrime @ 15m²/l per coat
 Caltech METedge (reinforced side and end laps)
 Two coats of Caltech METcoat @ 0.1 ltr/m² per coat, 10 m²/ltr per coat

20 Year System

Caltech METPrime @ 15m²/l per coat
 Caltech METedge (reinforced side and end laps)
 Two coats of Caltech METcoat @ 0.15 ltr/m² per coat, 6.66 m²/ltr per coat

For Aesthetics Only

Caltech METPrime @ 15m²/l per coat
 Two coats of Caltech METcoat @ 0.1 ltr/m² per coat

For Cut Edge Corrosion Only

Caltech METPrime @ 15m²/l per coat
 Caltech METedge (reinforced side and end laps)
 One coat of Caltech METcoat @ 0.1 ltr/m²

Coverage rates will depend on surface roughness and absorbency.
 Refer to project specifications in all cases for full material listing and method of application.

Method of application:	Airless spray, or short pile mohair roller (small areas can be brushed).
Application temp:	3°C minimum and rising. METPrime is 5°C and rising (curing times will otherwise be adversely affected).
Substrate temperature:	Beware of condensation. At least 3°C above the dew point and maximum humidity = 85%.
Pot Life:	Material in opened containers should be applied without delay.

Product Datasheet

Caltech METcoat

Sheet NO PD549FR
 Issued: March 2024
 Pages: 2 of 2

Drying time:	Temperature 20°C	Touch Dry 1 hour	Hard Dry 8 hours	Overcoating time Min. 8 hours - Max. 48 hours.
Inclement weather:	In the event of rainfall, stop work immediately and do not resume until the surface is dry. Where a curing membrane is subjected to rainfall, the surface can become pitted.			
Cleaning:	Caltech Solvent			

Surface preparation

All coated/metal profile surfaces to establish type, degree of corrosion, inter-coat adhesion, and overall condition.

Adhesion test areas should be prepared using the St Andrews Cross Cut method to establish the suitability of coating and whether a primer is required. Adhesion tests should be carried out on all sides of the building, but south facing orientation is likely to be worst case condition.

The substrate must be sound, dry, clean and free from all deleterious materials. Substrates must be properly prepared and primed as required. Primers must be used and allowed to cure as detailed in the relevant product's technical datasheet.

Storage and handling

Can be stored unopened in dry condition, well-ventilated place above freezing and out of direct sunlight. If the contents have been opened, reseal ensuring the lid is airtight. It is recommended that the product be stored under warm conditions prior to application at temperatures below 10°C to improve application.

Pack Size: 10 litres (solid colours)
 Flash point: >32°C
 Product weight: 1.25 +/- 0.05 kg/litre (mixed) depending on colour
 Shelf life: 5 years in unopened containers

Limitations

- Do not apply onto damp substrates. Prior to spray application, care should be taken to thoroughly dry off any surface condensation that may be present.
- Application of excessive material may result in down-glossing and other film defects.
- Do not use in confined spaces without sufficient mechanical ventilation to comply with Occupational Exposure Limits.
- Overcoat within 48 hours otherwise sanding and/or solvent washing may be required to maintain intercoat adhesion.
- Class "O" fire rated only when applied directly onto a non-combustible substrate.

Minimum precautions for all paints

1. Avoid skin and eye contact i.e. wear gloves, goggles, etc
2. Ensure good ventilation, mechanical if necessary.
3. Store and use away from heat and flame.
4. Do not eat or smoke in the vicinity of work.
5. Wash hands before eating.
6. Refer to the supply container for additional warning labels.

Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable.