

# Product Datasheet

## Caltech METcoat

Sheet NO PD549FR  
 Issued: July 2021  
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### Product description

A two-pack, high solids aliphatic urethane pre-polymer containing light-fast pigments and inert extenders. Cures by activation with atmospheric moisture.

### Intended uses

A high performance, hardwearing colour stable top-coat for long term exterior waterproofing of steel structures, roofs, cladding, etc. (2 coat reinforced system for a 15 year warranty, 3 coat for a 20 year warranty)

Can also be used as a non-waterproof decorative finish (2 coat unreinforced).

### Product information

Volume solids	70%
Typical thickness	70 microns dft from 100 microns wet
Theoretical coverage	10 m <sup>2</sup> /litre per coat
Practical coverage	Reduced by 20% or more
Appearance	Semi-Gloss (solid colours) Satin (metallic)
Colour range	Goosewing Grey (other RAL/BS/NCS shades to order, subject to minimum quantity – contact Alumasc Technical Services).
VOC content	EU Cat II A/j: 500g/l (2010). This product contains <= 300g/l VOC

### Application details

Mix ratio	1 unit of Activator to 1 unit of Base
Method of application	Brush, short pile roller, or airless spray. Apply one or two coats as required over primed/undercoated surfaces ensuring good edge cover.
Thinner/cleaner	Caltech Solvent
Pot Life	N/A

### Drying time:

Substrate	Touch Dry		Hard Dry		Overcoating Interval	
Temperature	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
20°C	3 hours		12 hours		8 hours	48 hours

Note: Minimum application temperature is 3°C and rising. Substrate temperature must be at least 3°C above the dew point and maximum humidity = 85%.

### Storage and handling

Store the closed containers in a safe place out of the reach of children.	
Pack Size	11.3 litres (solid colours) 10 litres (metallic)
Flash point	Approximately 40°C
Product weight	Approximately 1.35 kg per litre mixed
Shelf life	12 months in unopened containers stored in dry moderate temperatures.

### Surface preparation

Ensure surfaces are sound, clean, dry, properly prepared and primed where necessary with Caltech METprime. Can also be applied over DUO-LO treated sheeted roofs as a decorative finish.

### 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.  
 Do not use personnel who are asthmatic to apply these products, especially in confined spaces.  
 Application of excessive material may result in down-glossing and other film defects.  
 Must be overcoated within 48 hours otherwise sanding and/or solvent washing may be required in order to maintain inter-coat adhesion.

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### 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 supply container for additional warning labels.

### Tolerances

All information quoted in this data sheet is subject to normal manufacturing tolerances.

### Coverage

Practical coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of the structure.

### Pot Life

Applies only to two-component products and refers to the time the mixture remains usable.

### Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from [www.alumascroofing.com](http://www.alumascroofing.com).

### Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: [technical@alumascroofing.com](mailto:technical@alumascroofing.com)

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

