

# Product Datasheet

## Caltech Fibreforce

Sheet No: PD550FR  
 Issued: July 2021  
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### Product description

Single pack high build coating based on a special modified acrylic/urethane resin system, containing inert pigments extenders and flame-retardant agents, and reinforced with inert fibres.

### Intended uses

Waterproofing of sound solid sheeted pitched roofs (e.g. asbestos/fibre, cement, factory coated profiled metal etc). Typically used for roof details/penetrations etc to soften angles/sharp edges etc. prior to over-coating with Caltech DUO-LO system.

### Product information

Volume solids	54%
Typical thickness	500 microns total dft (2 coats)
Theoretical coverage	2m <sup>2</sup> /litre/coat
Practical coverage	Will vary with surface profile etc.
Appearance	Fibrous Texture
Colour range	Slate Grey, Dove Grey
VOC content	Cat A(j) <400g/L (EU limit 500g/L)

### Application details

Mix ratio	N/A
Method of application	Brush and short/medium pile roller. Touch-in/stripe coat any minor cracks, lap joints, minor gaps etc before applying main coat. Significant gaps/movement areas are likely to require additional treatment.
Thinner	Do not thin
Cleaner	Caltech Solvent
Pot Life	N/A

### Drying time:

Substrate	Touch Dry		Hard Dry		Overcoating Interval	
Temperature	Touch Dry	Hard Dry	Minimum	Maximum	Minimum	Maximum
20°C	4 hours	24 hours	16 hours	7 days		

Note: Drying/curing times will be shortened by higher temperatures and lengthened by lower temperatures, restricted air movement etc.

### Storage and handling

Store in a safe place out of the reach of children	
Pack Size	12.5 litres
Flash point	Approx. 40°C
Product weight	Approx. 1.25 kg/litre
Shelf life 12 months in unopened containers at moderate temperatures	

### Surface preparation

The roof surface does not need to be completely dry, but care should be taken to ensure surfaces/substrates are adequately prepared and visibly dry.

Identify any leaks. Remove any existing unsound remedial repairs, weak or loose material.

Thoroughly scrub surfaces to be treated with a stiff bristle brush to remove dust, grime, loose chippings, etc and wash down to ensure proper cleaning. Moss, lichen, fungal growth, etc should be treated with anti-fungal wash.

Ensure any gaps, splits etc are properly rectified, and if necessary stabilised with bridging/bond break tapes and G-Mat glass fibre mat reinforcements in conjunction with suitable embedment coats (e.g. Caltech DUO-LO).

### Limitations

Do not apply if rain is imminent.

Overcoating must be carried out within the timescale overleaf to ensure maximum inter-coat adhesion and avoid film defects. Surfaces must be clean.

The product gives a flexible film in normal use, but alternative special reinforcement coating systems may be required in areas subject to movement.

The product contains strong industrial solvents which may affect existing coatings and substrates. Prepare small test area if necessary.

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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.

