

# Product Datasheet

## Alumasc Monoscreed

Sheet No: PDR302

Issued: Nov 2016

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### Description

Monoscreed is a fast curing PMMA based compound used primarily for screeding or taking out deflections/backfalls in concrete decks. It can also be used for repairs to concrete decks. The product is solvent and isocyanate-free.

### Substrates

Can be applied directly to suitably prepared cementitious concrete which is free from dust, dampness, laitance, grease, oil or other contamination, and primed with Alumasc Bitumen Primer where necessary. Can also be applied directly to clean and dry bituminous membranes.

### Overlaying

Suitable for direct overlay with Alumasc Roofing Systems including Hydrotech 6125, Derbigum and Eurorof bituminous membranes & Caltech QC cold-applied liquid.

Monoscreed is also suitable to be installed over Hydrotech Protection Sheets and Derbigum bituminous membranes where necessary.

### Mixing

- Pour the 2.0 Kg Monoscreed Resin into a suitable receptacle.
- Add the 20.0 Kg Monoscreed Filler (Pre-blended Filler + Catalyst) and mix thoroughly with a slow speed mechanical agitator or forced action mixer until the material achieves a uniform, consistency.
- Leave for 1 minute for catalyst to dissolve and re-mix.
- Add the 10.0 Kg Monoscreed Aggregate and mix thoroughly with a slow speed mechanical agitator or forced action mixer until the material achieves a uniform consistency.

**Note:** Do not add the Aggregate until after the Filler + Resin have been thoroughly mixed together. If any cured Monoscreed remains in the container a new receptacle must be used to avoid contamination

### Application

- 1 Apply by trowel/tamp
- 2 Pour the Monoscreed onto the substrate/into the repair, tamp if required, and level using the trowel.
- 3 Allow to cure.

### Tolerance

Can be applied to a minimum of 3mm and maximum of 50mm in a single layer. If greater depths are required, apply in multiple coats.

Minimum application temperature: 5°C

Maximum application temperature: 35°C

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Packaging	<b>Resin:</b> 2.0 Kg drums <b>Filler + Catalyst:</b> 20.0 Kg bags <b>Aggregate:</b> 10.0 Kg bags
Colour(s)	Grey
Density	1860 Kg/m <sup>3</sup> approx.
Typical Coverage	1m <sup>2</sup> @10mm deep 18.60kg approx.
Pack Size	Supplied in 32kg kits, 20 kits per pallet
Physical properties	EN 13867-1 Adhesion after freeze thaw cycling: >2.0N/mm <sup>2</sup> EN 12190 Compressive strength: c.a. 68.8N/mm <sup>2</sup> EN 12190 Flexural strength: c.a. 23.2N/mm <sup>2</sup> EN 13057 Capillary absorption (permeability to water) 0.0Kg/(m <sup>2</sup> ·h <sup>0.5</sup> )
Curing time	<b>Rainproof:</b> approximately 15 minutes at +20°C <b>Can be subjected to loads after:</b> approximately 30 minutes at +20°C <b>Can be overlaid after:</b> approximately 45 minutes at +20°C <b>Note:</b> Curing times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.
Storage	<b>Resin:</b> Should be stored unopened in a cool, dry, well ventilated place above freezing and out of direct sunlight in the original container. If the contents have been opened, re-seal ensuring the lid is air tight. Avoid direct sunlight on site. <b>Filler + Catalyst:</b> Should be stored unopened in a cool, dry, well ventilated place out of direct sunlight. Also avoid direct sunlight on site.
Shelf-life	Up to 6 months if stored as above

### Health & Safety

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

### Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: [roofing@alumasc-exteriors.co.uk](mailto:roofing@alumasc-exteriors.co.uk)

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