

# BaseCoat - Paste Datasheet

August 2023

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**BaseCoat - Paste** is a special mixture of adhesives, fillers and plasticisers for mixing with ordinary Portland cement to obtain a controlled mixture for repair of concrete and masonry, attaching and subsequent surfacing of polystyrene insulation boards prior to painting or finishing.

## Technical Data

Type	Blend of adhesives, fillers and plasticisers
Colour	Opaque sandy colour
Pot life after mixing	45 minutes
Working time after mixing	45minutes
Initial set	90 minutes depending on weather
Mixing water temperature	Best between 10°C and 25°C
Application temperature (ambient)	6 to 25°C
Substrate temperature	6 to 5°C
Min application thickness	3mm
Max application thickness	6mm
Density	1.8kg/lt
Protection during application	Protection barriers required against wind and sun (no contact with product)

NOTE: All surface beds should have a vapour proof membrane, and substrates must attain moisture levels less than 5% before the application of **BaseCoat - Paste** mixed with cement.

## Purpose

**BaseCoat - Paste** can be used as a “base coat” for levelling, patching and filling masonry, concrete and plaster before painting, with or without Glass Fibre reinforcing Mesh. It can be used as an adhesive for pasting insulation board (polystyrene) or feature segments onto the interior or exterior of buildings before covering with Glass Fibre Mesh impregnated with the material.

## Applications

Ideal for attaching polystyrene insulation boards or shaped architectural feature segments of polystyrene to the interior or exterior of buildings and the subsequent hard surfacing of the former to take paint or plaster. Can be used as a leveller and filler for masonry, concrete or plaster surfaces with or without Glass Fibre reinforced Mesh. For this application **BaseCoat - Paste** can be built up to about 10mm in a single pass.

## Note

Ambient temperature must be higher than 6°C. Protect from freezing in the container and for at least 6 hours after application. Use only on surfaces that are sound (no friability or laitance whatsoever), clean, dry or unpainted unless prepared as mentioned. Avoid application in direct sunlight to minimise premature drying.

## Storage

**BaseCoat - Paste** should be stored in a cool dry place off the ground for up to 1 year after date of invoice, provided it remains properly sealed. The aggregates tend to settle over a period of time or as a result of vibration during long distance transportation. It is recommended that the sealed drums are rolled on its side after long distance transportation or from time to time during storage so as to ensure that the aggregates remain in suspension.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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## Site Work

### Surface preparation

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All surfaces should be cleaned of contaminants such as dirt, dust, oils, etc. without damaging the substrate. Painted substrates must have the paint removed in such a way as to leave no more than 10% of the paint on the surface.

### Mixing

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Mix 25kg **BaseCoat - Paste** with 5 litres water and, while stirring continuously, slowly add 25kg ordinary Portland cement. Small amounts of clean potable water may be added to obtain desired consistency. Leave mixture to stand for 5 minutes before remixing and applying. Use all mixed material within 1 hour. Half batches may be mixed for convenience. The addition of additives such as plasticisers, pigments, accelerators, etc. is not recommended under any circumstances.

### Application

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#### Adhesive application

Apply **BaseCoat - Paste** to the entire surface using a 6-10mm notched trowel. Press polystyrene insulation board firmly so as to flatten adhesive between substrate and board.

#### BaseCoat - Paste application onto styrene

Apply **BaseCoat - Paste** to a uniform thickness of about 2mm using a steel float. Immediately press Glass Fibre Mesh into wet **BaseCoat - Paste**. Smooth the material with a trowel until the mesh is totally embedded and the pattern of the mesh does not show through.

#### Creating even suction

Walls with areas of uneven suction should be primed with a solution of 1 volume CemBond and 3 volumes water. While still tacky, skim with a 5 to 6mm layer of **BaseCoat - Paste**. Leave to dry for 48 hours. The surface can now be coated with any of Cemcrete's wall finishes.

#### Leveller or filler

Apply **BaseCoat - Paste** to cleaned substrate to required thickness (no more than 6mm per coat) using a steel trowel, making sure material is to correct level.

### Coverage

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25kg **BaseCoat - Paste** mixed with 25kg OPC will cover approximately 6 - 8m<sup>2</sup> if applied 3-4mm thick.

### Packaging

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<b>BaseCoat - Paste</b>	Available in 5kg and 25kg plastic drums
Glass Fibre Mesh	Available in 1m widths up to 50m lengths

### Manufacturer's Warranty

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Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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