

# Warmshell Mesh Coat

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A breathable, high-performance basecoat designed to give impact and weather resistance to woodfibre boards, insulations, and lightweight backgrounds, for use inside or out.

### Description

Warmshell Mesh Coat is the render basecoat for application over Warmshell Woodfibre Boards and plinth boards. It levels the insulation and adds impact and weather resistance. It may also be used on other backgrounds such as masonry, as required. It can be finished with a range of our topcoats and paints for decoration and further weather resistance:

- Finish WP for sponged, floated or scraped finishes
- Silicate Render – for modern self-cleaning finishes.
- Motif lime paint – for very traditional finishes.
- NB – internally this product is not normally required and Warmshell Woodfibre can be finished in a single layer with Solo One Coat Lime Plaster.

### Colour

Off white

### Packaging

20 kg bags; 48 per pallet

### Storage

Store in a dry, draft free place. Shelf life is 12 months from date of manufacture.

### Coverage

One bag covers approximately 1.8m<sup>2</sup> at 10 mm thick. Yield is 1.1kg per mm of depth over 1m<sup>2</sup>

### Preparation

Backgrounds must be clean, free from dust and contaminants and must not be saturated. Check that woodfibre boards have a moisture content of 13% or less, using a suitable moisture meter (e.g. Gann BLH41). Sand down woodfibre which is silver-grey from UV exposure. Gaps larger than 2mm in the background should be filled and sanded flat before application of the Warmshell Mesh Coat.

Movement joints may be required for changes in structure, foundations or very large panels. Plan day-work joints ahead of work commencing.

Ensure facades are carefully detailed to throw water away from the render and have appropriate beads and detailing.

## Product Data

### Mixing

Mix the bag with clean tap water, do not add anything else. Warmshell Mesh Coat can be mixed using a drum mixer, a drill and paddle and will work in suitable spray mixers until a smooth lump free consistency is achieved. Once mixed do not rework.

Add sufficient water to bring to a workable mix. Add 5 litres initially then trickle in approximately 1 litre more until the correct consistency is reached.

### Application

Apply 2 passes the same day, with Warmshell Mesh embedded in-between the passes. The mesh should be laid in vertical strips with a 10% overlap. Apply additional mesh in diagonal strips at windows and door openings.

The total thickness of the coat (both passes) should be 8 to 10mm, with the first pass at least 5mm thick.

- For jobs which will be finished with Motif lime paint or Silicate Render: level the Warmshell Mesh Coat with a feather edge or derby. Lightly sponge or float to remove the laitance as it sets to give a slightly textured finish.
- For jobs finished with Finish WP: use a render comb to create a light wavy key.

Do not polish or over work the surface.

### Aftercare

While the coat is curing protect it from sun, drying winds, frost and rain. Work in temperatures between 5°C and 30°C – do not apply on backgrounds in direct sunlight where the surface temperature is excessive (over 30°C).

- For jobs finished with Finish WP: allow to harden for 2 to 4 days, keep the coat damp with mists of water and damp hessian. Apply the next coat while the Warmshell Mesh Coat is still “green”.
- For jobs which will be finished with Motif lime paint: apply the motif while the background is still “green” but after it has set hard, typically 1 to 2 days.
- For jobs which will be finished with Silicate Render: allow the Warmshell Mesh Coat to fully harden and dry, normally a minimum of 10 days.

### Cleaning & Disposal

Clean tools and containers with clean water. Unset product is caustic and classed as hazardous. See the Safety Datasheet for more information.

### Disclaimer

Information is based on our latest knowledge and testing under controlled conditions. Variations on site due to different materials, building methods and designs, weather etc. may affect the outcome.