

Supersmooth Lime Base - Technical Data Sheet

Product Description

Supercoat™ Supersmooth Lime Base is a natural lime base plaster for Exterior and Interior use, containing high grade lime products, hydraulic bonding agents and washed graded sand. Designed as the base coat to which the Supercoat™ Supersmooth Lime Finish is applied as a smooth finishing coat.

This material corresponds to the group of mortars P IC in accordance with DIN 18550.

Mixing Information

As a guide Supercoat™ Lime Base requires approximately 22% water added or as required to achieve the required workable consistency.

Material is to be mixed by machine or with suitable mixing drill or paddle method.

1 x 25kg bag = approx 5 litres of water.

Application Method

Supercoat™ Supersmooth Lime Base must be applied to the wall at a minimum of 6mm, maximum of 15mm thick per coat.

This product may be troweled or pumped onto the wall.

Using a suitable straight edge, flatten and straighten the wall to a flat and plum finish.

Where greater than 15mm thickness per coat is to be achieved, it is advised that the Supercoat™ Supersmooth Lime Base be applied in the same fashion as detailed above, but that a minimum period of 24 hours be allowed between coats to allow initial hardening/curing of the material before re-application of any additional material.

When the full lime system (Supersmooth Lime Base & Supersmooth Lime Finish) is applied at a depth greater than 20mm it is considered to be waterproof, however it is always recommend that the wall is painted to achieve the final colour coat.

Over Coating

Approximate Supercoat™ Supersmooth Lime Base curing periods prior to any breathable coatings application;

20mm thickness: 28 days*

*Dependant on weather conditions.

Meshing

After the above application, while material is still wet, lightly press Supercoat™ Grid Mesh (5mm alkali resistant) onto the surface and using a screed, pull material through the mesh and screed to a flat true finish.



Once the lime base has set up, the surface may be floated using a composite or polystyrene float. The wall is now ready for the finishing Supercoat™ Supersmooth Lime Finish top coat.

Quality Control

Supercoat™ Supersmooth Lime Base is manufactured to specification in New Zealand by Ironbark Technology Ltd utilising automated weighing and batching equipment in conjunction with a strict quality control regime, the manufacture of this product is guaranteed for the term offered.

Technical Data

Mortar Group: P IC in accordance with DIN 18550

Pressure Strength: $\geq 1.0 \text{ N.mm}^2$

Water Demand: 20-22% or as required to achieve a workable mix

Fresh Supercoat™ Supersmooth Lime Base Volume: 20L of material per 25kg bag when mixed with water.

Fresh Supercoat™ Supersmooth Lime Base Weight: 2kg/L when mixed with water.

Applied to the wall: 1.25m²/25kg bag @ 15mm thickness (approximate values).

*Figures stated on TDS are given as a guide only.

*Figures are based on a flat substrate with no deviations in substrate or material thickness.

Additional Information

Supercoat™ Supersmooth Lime Base when applied in accordance with the technical specifications provides outstanding characteristics to the health of the occupant in the home. Supercoat™ Supersmooth Lime Base provides a steady humidity in a space by allowing fine water vapour from humid air to enter the plaster where it is stored and released when the humidity drops. This delivers a more constant humidity to the occupants resulting in cleaner, more comfortable conditions for all to live in.

It is the applicators responsibility to apply the materials in accordance with the stated and published literature.

It is also the applicators responsibility to ensure that the latest applicable information has been obtained in regard to all Supercoat™ Products and Materials.

Contact Ironbark Technology prior to the application of any Supercoat™ products and materials for up-to-date and knowledgeable Technical Assistance.

Storage

The material must be kept dry and sealed, stored off the floor in a manner where moisture cannot come into contact with the bag or its contents. This Product has a shelf life of **6 months** after date of manufacture if stored as detailed.



Manufacturer

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The information contained herein is correct to the best of our knowledge. Due to product improvement and supply, these specifications may be subject to minor changes.