

# adobeplast®

*Undulating Finishing Plaster*



**INTRODUCTION**

ADOBEPLAST plaster is a polymer-modified, cement-based finishing plaster for exterior use. ADOBEPLAST has been specially formulated to allow the plasterer to readily achieve an undulating plaster finish, similar to a French Provincial style.

ADOBEPLAST is ideal as a finishing plaster over; INSULCLAD or THERMACLAD reinforced base coats, jointed fibre cement sheets, THERMAPLAST or TECSTOP coated masonry walls and traditionally plastered surfaces. ADOBEPLAST plaster must be painted with at least two coats of Insulcote 100% acrylic paint.



## MATERIALS

ADOBEPLAST is packed in 20kg bags.

**Coverage:** 3-5m<sup>2</sup>/bag - one coat application.

INSULCOTE is a 100% acrylic paint that has been specifically designed to coat cement based plaster finishes.

**Coverage:** 10 litres will cover approximately 30m<sup>2</sup> in two coats.

PLASTER SYSTEMS GRITTY SEALER is a 100% acrylic paint with a fine grit content to ensure sufficient surface friction for the subsequent application of ADOBEPLAST plaster.

**Coverage:** 10 litres will cover approximately 60m<sup>2</sup> in one coat.

## ON-SITE APPLICATION

ADOBEPLAST must be applied by experienced plasterers and applicators who have a good working knowledge of our products and who are aware of our current product information and detailed application instructions.

Plaster Systems Ltd is an ISO 9002 registered company which guarantees that it's pre-mixed plaster products are manufactured to specification in accordance with an independently audited quality control system. Our products and systems are dependent upon the correct preparation and application of all the components in strict accordance with the relevant written instructions. On-site application is beyond our control and Plaster Systems Ltd cannot guarantee the workmanship or correct preparation and application of it's products or systems.

## HANDLING & STORAGE

Bags of plaster should be stored in dry conditions, preferably off the floor on timber dunnage, protected from the weather and any mechanical damage. Rotate the stock to ensure that the oldest material is used first. Discard any plaster which is more than six months beyond it's manufactured date.

When transporting bags of plaster, protect the product from getting wet or the bags from being damaged. Do not transport or wrap in a way which could lead to "sweating".

## HEALTH & SAFETY

ADOBEPLAST plaster dust is an irritant and disposable dust protection masks must be worn while the plaster is being mixed.

The wet plaster is alkaline and prolonged skin contact must be avoided. We advise you to use rubber gloves and wash any material off your skin with clean water before it sets.

## SUBSTRATE PREPARATION

All substrates need to be dry, relatively smooth and flat before being coated with ADOBEPLAST.

**Insulclad:** Ensure the reinforced base coat of plaster is approximately 1.5 to 2mm thick.

**Thermaclad:** Ensure the 5mm base coat of plaster has adequately covered all the screed lines in the polystyrene sheets and ensure the reinforced mesh coat of plaster is approximately 1.5 to 2mm thick.

**Thermaplast:** Ensure the THERMAPLAST surface is completely dry and any loose material is removed by brushing down the surface before plastering commences.



**Masonry Substrates:** Walls that have been strengthened with the POLYPLAST STRENGTHENING SYSTEM or levelled with TECSTOP will require the surface fibres to be layed flat with a skim coat of INSULCLAD plaster.

**Traditional Plaster Work:** The background coat of plaster must be brought up to the required thickness, (according to NZSDZ4251 - 1998) and finished smooth and flat.

## SEALER COAT

PLASTER SYSTEMS strongly recommend that all background substrates are painted with one coat of PLASTER SYSTEMS GRITTY SEALER prior to the application of ADOBEPLAST. On hot, dry days the GRITTY SEALER reduces background suction and increases working time. The extra working time created greatly reduces the potential of sharp dry edges on large walls.

On jointed fibre cement sheets, sealing the surface prior to plastering provides an even suction rate. This will help to prevent the potential of "bands" showing through the finished ADOBEPLAST plaster.

In winter time, it is considered good trade practice to seal fibre cement sheets in order to reduce moisture uptake. As a sealed background will dry more rapidly, sealing the sheets offers the added advantage of being able to commence work more rapidly following periods of rain.

**Caution:** Never plaster over a wet or damp background. All substrates must be completely dry before plastering commences.

## MIXING & APPLICATION INSTRUCTIONS

ADOBEPLAST must always be applied to a **DRY BACKGROUND**. The ambient air temperature must be between 5°C AND 30°C during application and must remain within that range for the first 24 hours after application. Try and work in shaded areas of the building, avoiding walls in direct sunlight. Protect newly applied plaster from rain and water run-off for at least 24 hours.

### ***Cleaning:***

Ensure background surfaces are clean and dry before commencing any ADOBEPLAST work. Remove any dirt or construction contamination by washing down any affected areas.

### ***Masking:***

Mask out windows, doors, roofing, decks and any other areas where plaster droppings may occur.

We strongly recommend the use of PVC or vinyl tape and, preferably plastic sheet material, as these materials have reasonable exterior durability. Plastic sheet material and PVC or vinyl tape are preferable for masking, however, wet strength masking paper may also be used.

### **MIXING ADOBEPLAST PLASTER**

Each 20kg bag of ADOBEPLAST is mixed with approximately five litres of clean drinking water. Once you have established how much water gives you the plaster consistency you want, maintain this measured amount for the rest of the plaster mixes.

### **Caution - Do not mix to a semi-liquid consistency.**

Place all the water for your plaster mix into a clean container. A 20 litre plastic bucket or 50 litre rubbish bin is ideal. While stirring with a powered whisk, add the 20kg bag of plaster and mix to an even consistency. Let the mix stand for 5 minutes and give it a quick restir before application and adjust the final consistency if it is necessary. Do not mix more plaster than you can use in one hour. Do not reactivate the mix with more water once it begins to set. Clean the whisk and bins between mixes.

### **PLASTER APPLICATION**

The finished thickness of ADOBEPLAST plaster must be within the range of 3 to 10mm.

To achieve an uneven application of ADOBEPLAST use a **short** steel trowel and apply the plaster to the prepared substrate with good pressure in a random fashion. Depending on how pronounced you want the undulations to be, you can then double back over the first coat and apply additional randomly spaced blobs of plaster. If you are using a double back technique, ensure the first coat is still wet and has not begun to set. If you fail to follow this guideline you run the risk of the ADOBEPLAST delaminating in between the layers.

Avoid excessive moving of the plaster under the trowel once it has been applied to the wall, otherwise you will lose the initial suction and run the risk of delamination. Allow time for the plaster to suck off and then, using a large long bristled damp paint brush, smooth out the sharp trowel marks on the plastered surface. Once the brushed surface has sucked off, use a damp sponge to complete the smoothing out process. The sponging process will leave the surface free of any sharp trowel lines and will smooth out any brush marks that have been created.





### VARIATIONS IN FINISH

There is no set undulating pattern. All finishes will be unique. If a particular style of finish is required, with either a more or a less pronounced undulation, it is important that this is established between the plasterer and homeowner before plastering commences.

### CURING

To aid curing, ADOBEPLAST should be protected from hot drying winds and direct sunlight for the first 24 hours. If drying conditions are extreme, a fine water spray is recommended to help cement hydration once the initial set has taken place and the plaster surface has dried.

ADOBEPLAST plaster will need to be protected from rain and water run-off for at least the first 24 hours.

### PAINTING

ADOBEPLAST must be painted with at least two coats of Insulcote 100% acrylic paint. Other paint systems are not covered by this technical data sheet and Plaster Systems Limited will not warrant the use or the suitability of alternative paint systems over the surface of its plaster finishes. Technical advice must be sought from the cladding manufacturer regarding the appropriate Light Reflective Value (LRV) of the chosen paint colour before the paint system is applied.

### MAINTENANCE

Damaged areas, which could allow the penetration of water into a building, must be repaired.

Accidental damage can generally be repaired. Remove any loose plaster and paint the damaged area with an

acrylic resin and plaster slurry mix to ensure a good key for the repair. Once the slurry coat is dry, flush out the damaged area with ADOBEPLAST and feather it into the existing sound plaster work. Finish the repair with the appropriate matching finish and repaint it once the plastered repair is dry.

### *Cleaning:*

The painted plaster finish should be regularly hosed down. Localised grime or ingrained dirt may be removed by cleaning with a suitable detergent and water. The exterior finishes can also be cleaned with a low pressure water blaster, using a fan water jet and a cleansing agent.

For further information regarding the ongoing maintenance of your chosen plaster cladding please refer to Plaster Systems Limited's PlasterCare information sheet.

### *Recoating:*

INSULCOTE painted surfaces will need repainting after several years. Simply clean the painted wall surfaces with a suitable chemical or detergent wash and rinse off.

Before repainting commences, ensure any lichen or moss growth is removed and any loosely adhered paint is wire brushed off. Once the area to be repainted has been properly prepared repaint the surface with two coats of INSULCOTE paint.

### TECHNICAL ADVICE

An advisory service is available to specifiers of the ADOBEPLAST system by contacting Plaster Systems Ltd on their toll free service - 0800 11 44 00.

**ADOBEPLAST, INSULCLAD, TECSTOP, POLYPLAST, THERMAPLAST, INSULCOTE & MULTIPLAST are Registered Trade Marks of PLASTER SYSTEMS LTD**



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