



tecstop®

Reinforced Levelling Plaster

INTRODUCTION

TECSTOP is a pre-mixed, cement-based plaster which can be easily applied as a single bond/flanking coat over a variety of exterior backgrounds.

The specially developed plaster mix contains lightweight aggregates, adhesion and workability aids, together with a unique polypropylene fibre reinforcement. This enables ease of application by hand or machine of thin levelling coats to a wide variety of backgrounds including concrete blocks, formed concrete, brickwork or metal lath.

TECSTOP's unique formulation provides a very economical bond and flanking alternative to conventional plaster systems. The fibre reinforcement not only relieves curing stresses but also provides an excellent surface key for a variety of conventional plaster finishes.

PROPERTIES

Density	720kg/m ³
Compressive Strength	4100 KPa @ 28 days
Hydrostatic Permeability	15mm sample, 100mm head – 2.4mm after 24 hours
Flamespread	Nil – non combustible coating
Frost Resistance	Excellent

SUBSTRATE PREPARATION

TECSTOP is designed to be applied to a DRY substrate. Do not wet down masonry surfaces before the application of TECSTOP, do not apply TECSTOP to surfaces which are wet from rain or overnight dew.

Concrete block and brick surfaces must be free of oil, paint, dirt and lichen growth. Any loose or unsound surface material must be chiseled off back to a solid substrate.

On a smooth dense concrete surface a suitable key or slush coat must be applied to provide a suitable bond for the TECSTOP plaster. Where required metal corner beads or any depth gauge beads must be in place prior to the plaster application.

Metal lath and its appropriate accessories must be fixed in accordance with the lath manufacturers instructions.

PLASTER PREPARATION

Each 18kg bag of TECSTOP plaster is mixed with approximately 13 litres of clean drinking water. Depending on weather conditions and the method of application, a slight variation in the quantity of water may be required.

Place all the water for the mix size into a bin (a 50 litre rubbish bin is ideal) and add all of the TECSTOP plaster, while stirring with a powered whisk.

Let the mix stand for 10 minutes and give it a quick re-stir before use.

Do not mix more plaster than you can use in one hour.

Do not re-activate the mix with water once it begins to set. Discard any plaster that has been mixed for more than 1½ hours.

PLACING

Conventional hand plastering techniques are suitable with TECSTOP. The plaster can be sprayed or pumped with certain types of equipment (check TECSTOP plaster is suitable for the machine with a small trial application). Apply TECSTOP to solid, dry backgrounds with firm pressure and then double back with more plaster to bring the surface to a nearly level finish. When a reasonable area has been covered, use a wooden float or similar, to level out surface to a flat plane.

On thin coats the fibre reinforcement will provide the mechanical key for subsequent plaster coats without the need for "scratching" the surface.

Apply TECSTOP plaster only when the temperature is between 5° to 35°C, and will be in that range for a 24 hour period after application.

THICKNESS

5mm is the minimum thickness for a cohesive coat of TECSTOP plaster. The actual thickness of TECSTOP plaster will be dictated by how flat the background is, but do not reduce the TECSTOP plaster thickness to below the minimum of 5mm.

TECSTOP can be applied up to 50mm thick in one application. If your plaster coat needs to be thicker than this, build it up in layers with a minimum of 24 hours between plaster coats.

Over metal lath, the TECSTOP plaster must completely cover the wire surface with the first plaster coat. A minimum cover of 10mm of TECSTOP is recommended over metal lath.

NOTE: TECSTOP is not suitable as a finishing plaster and must be coated with a conventional exterior plaster finish or Plaster System Ltd's MULTIPLAST All Purpose Finishing Plaster.

CURING

Do not let TECSTOP completely dry out for the first 48 hours.

Protect newly applied TECSTOP plaster from temperature extremes and rain for at least 24 hours.

COVERAGE

6 square metres per bag – 5mm thickness of plaster.

PLASTER STORAGE

Bags of TECSTOP plaster must be stored in a dry area, preferably off the floor on a timber pallet or timber dunnage.

Rotate the stock to ensure that the oldest material is used first.

Plaster stock that is older than 6 months should be discarded.

HEALTH AND SAFETY

TECSTOP plaster dust is an irritant, and paper dust protection masks should be worn while it is being mixed. The wet plaster is alkaline, and prolonged skin contact should be avoided.

TECHNICAL ADVICE

An advisory service is available to the specifiers, and users of TECSTOP. Simply contact Plaster Systems Ltd on toll free phone service - 0800 11 44 00.

TECSTOP® is a registered trademark of Plaster Systems Ltd.



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