



# ST Plast 90

cement lime plaster base coat

Pack Size  
40Kgs, 25Kgs & 10Kgs

## TDS Technical Data Sheet



### Description

ST Plast 90 is a hydraulic lime-based, lightweight, water-repellent mortar and render. It is specially formulated to stabilize masonry that has deteriorated due to salts, saltpetre, or dampness, making it ideal for waterproofing masonry and as a building mortar.

### Uses

ST Plast 90 is suitable for waterproofing masonry structures and serves as a reliable building mortar. It can be left uncovered or finished with a decorative coat from the PATRIMOINE range of lime renders.

### Characteristics / Advantages

- Specially formulated for damp treatment
- Suitable for hand or machine application

### Product Information

#### Composition

- Binder: Hydrated lime and specific binders resistant to salts (sulphates, chlorides, nitrates)
- Lime/binder ratio: 55% minimum by volume
- Light mineral additives
- Organic additives: less than 0.3%

### Packaging

25 kg bags

### Shelf life

- 12 months from the date of manufacture

### Storage conditions

- Store in dry, frost-free conditions

### Technical Information

Compressive strength:	CS I
Capillary absorption	: W0
Reaction to fire	: A1
Mixing ratio:	5.4 - 6.25 L per 25 kg bag

Consumption:	Approximately 1.8-2 m <sup>2</sup> @ 10 mm thickness per 25 kg bag
--------------	--

(values are indicative and may vary depending on substrate conditions and thickness applied)

## Basis of product Data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## Important Considerations

- For professional use only.
- Protect fresh renders from exposure to running water, wind, sun, and rain with tarpaulins or draft stopper netting.
- Do not apply to frozen substrates or if there is a risk of frost.
- Minimum application temperature: +5°C. For temperatures above +30°C, special precautions must be taken.
- If treating rising damp, ensure proper drying time before applying any covering.

## Ecology, Health And Safety

For information and advice on safe handling, storage, and disposal of chemical products, users should refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological, and other safety-related data.

## Application Instruments

### Equipment

- Manual application: Stainless steel trowel/float
- Mechanical application:
- Spray render machine: Pump pressure 6-8 bars (water)
- Spraying pot: Air flow 60 m<sup>3</sup> per hour minimum, Air pressure 4-6 bars

## Surface Preparations

- Remove existing renders and rake out joints to approximately 30 mm depth.
- Clean and dry the substrate systematically.
- Treat rising damp as required.
- Saturated masonry must be dried before application.
- Repairs with ST Plast 90 should be done at least 7 days before applying the top coat.
- Use approved galvanized (internally only) or stainless steel reinforcement mesh as needed, depending on the masonry type and condition.

## Substrate Quality / Pre-Treatment

Suitable substrates: Clinker, brickwork, stone, and old masonry built with weak mortar; masonry coated with traditional mortar conforming to BS EN 459-1.

Unsuitable substrates: Masonry constructed with gypsum-based mortar.

### MIXING

- Machine mixing time: 5 minutes
- Cement mixer mixing time: 5-7 minutes

### APPLICATION

- Apply mortar to both sides of the wall.
- Fill the joints first, then apply the base coat to an even depth of 20 mm when the mortar is dry.
- Smooth and compact using a notched rule. If receiving a decorative covering, leave the surface roughened; if left as a final finish, smooth with a float.
- Apply at least 1 meter above visible signs of dampness.
- Allow a minimum drying time of 7 days before covering.

## Pack Size

40Kgs, 25Kgs & 10Kgs



**Data Reliability**

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

**Regional Compliance**

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

**Legal Disclaimer**

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.