



COSTAR DAMPMASER 20

Injection Silane for Dampness

PRODUCT DESCRIPTION

Costar Dampmaster 20 is a single component, injectable silane which diffuses within the pores of mortar course when injected. It doesn't require special injection pump/machine but can be applied easily along successive holes drilled using a simple application gun thus forming a Damp Proof Course (DPC), stopping existing and future rising damp once cured.

ADVANTAGES

- Simple and Fast application
- Does not require the use of special injection pump/machine for its application.
- Eliminate need for preliminary water tight sealing around injection holes
- Water based and non-flammable
- There is little or no risk of efflorescence
- Little or no wastage thus saving cost.
- Low risk of application error during installation by applicators.

APPLICATION AREA

Costar Dampmaster 20 can be used to treat rising damp in all masonry walls such as solid bricks, cavity walls, rubble infill walls etc.

APPLICATION INSTRUCTION

Drill holes

For treatment to be effective the system requires 12mm diameter holes to be drilled at horizontal centers no greater than 120 mm apart. The depth of the holes required for various wall thicknesses is shown in the table below.

For all other wall thickness, the depth of the holes shall be within 40mm of the opposite side.

Wall thickness	Hole depth
110 mm	100mm
220 mm	190mm
330 mm	310mm
440 mm	420 mm

Drill should be done horizontally, directly into the mortar course, preferably at the base ends of the bricks of the course selected. After the drilling operation, each individual hole needs to be thoroughly cleaned using a clean compressed dry air blower.

Substrate Preparation

Where required remove skirting boards and/or render/plaster to identify and expose the original masonry and the appropriate mortar course to be treated. Measure the thickness of each wall to be treated. Set the depth gauge of the drill or apply tape to the drill bit in order to identify the correct drilling depth.

Injection

Insert the delivery tube of the application gun into the full depth of the pre-drilled hole. Squeeze the gun trigger and back fill each hole fully with Costar Dampmaster 20 to within 1 cm of the surface. When treating cavity walls from one side fill the holes completely in each side wall. Dispose used sausages in a plastic bag and in accordance with local regulations.



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TECHNICAL PROPERTIES

Packaging	5ltrs, 20ltrs
Appearance	Liquid
Shelf life	12 months from date of production
Density	~ 1.00 kg/ltr
Solid content	55 - 63%
Consumption	- Primer: ~0.2 - 0.3 kg/m ² Coating: ~0.6 kg/m ² per coat
Drying time	~4 hours
Tensile strength	> 0.5 N/mm ² (ASTM D-412)
Ultimate Elongation	~300% (ASTM D-412)
Substrate temp	+5 °C min. / +35 °C max
Fire Resistance	Wet: non inflammable Dry: flame will not spread

Making good of holes

All drilled holes shall either be plugged or filled and pointed over using appropriate Costar mortars.

Some white surface stains may occur around the injection site. If these occur, simply brush them off when dry.

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STORAGE AND SHELF LIFE

Protect from freezing, if frozen or crystallized, thaw gradually and stir to homogenous mixture. Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

STANDARD COMPLIANCE

Conforms to the requirement of ASTM D412.

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

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