

Technical Data Sheet

StoCrete CCW Elastic

Two components flexible cementitious waterproofing membrane



Characteristics

- Area of application**
- Waterproofing of :
- Damp rooms, shaft, tanks, sinks
 - Fresh water reservoirs
 - Bathrooms, kitchens
 - Swimming pools, fountains
 - Planter boxes and gutters
 - Basement walls
 - Water retaining structures
 - As a secondary membrane for re-roofing work

- Properties**
- Reliable sealing of horizontal and vertical areas
 - Suitable for coating interior and exterior areas against water ingress and dampness
 - Non-corrosive
 - Non-toxic conform to SS375
 - High flexibility
 - Good abrasion resistant
 - Excellent adhesion to practically all surfaces
 - Good permeability to water vapour

- Application method**
- Apply with stiff brush

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Criteria	Standard / test specification	Value / Unit	Notes
Mixed Density		1.40 g/cm ³	
Crack Bridging	ASTM C836	> 2 mm	
Adhesion Strength	ASTM D4541	0.65 N/mm ²	
Tensile Strength	ASTM D412	1.0 N/mm ²	
Water Penetration	DIN 1048 : Pt5	No measurable permeability	
Shore A Hardness	ASTM D2240	70	
Elongation	ASTM D412	> 170 %	
Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on quality of water	SS 375 : Part 1 BS 6920 : Part 1	suitable	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Application

- Substrate Preparation**
- All surfaces to be coated with StoCrete CCW Elastic must be sound, clean and free from dust, oil, laitance and any loose adhering particles.
- Repair all large cracks and honeycomb with Sto Repair System.
- Leaking area must be properly sealed with StoCrete Plug prior to application.

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Material Preparation	<p>Pour Component B (liquid) into a mixing container and add in approx. $\frac{3}{4}$ of Component A (powder) slowly and gradually during stirring at low speed.</p> <p>Continue mixing whilst slowly adding the remaining powder.</p> <p>Mix until a fully homogeneous and lump free compound is achieved.</p>						
Coating Procedure	<p>Prior to application, pre-wet the substrate thoroughly with clean water to saturate the pores. Apply the mixed StoCrete CCW Elastic with stiff brush.</p> <p>The overall thickness is approximately 1 – 2 mm. It can be achieved in 2 to 3 coats of each not exceeding 1mm thick.</p> <p>Second or subsequent layer can be applied as soon as the preceding coat is trafficable.</p> <p>For optimum performance, StoCrete CCW Elastic should be allowed to cure for 7 days and during this time; precaution should be taken to protect the coating from rapid drying out, strong winds, rain and intense heat.</p>						
Working Life	<p>At 20 °C approx. 40 mins</p> <p>At 30 °C approx. 30 mins</p>						
Consumption	<p>StoCrete CCW Elastic should be applied in at least 2 coats at approximately 1.0 -1.5 kg/m² per coat.</p> <p>Actual coverage will depends on texture and porosity of the substrate as well as method of application.</p>						
Application Temperature	<p>Minimum application temperature + 8 °C</p> <p>Maximum application temperature + 45 °C</p>						
Cleaning Tools	<p>Tools must be cleaned immediately after use with water. Hardened materials can only be removed mechanically.</p>						
Delivery							
Colour	<p>Component A Grey (Powder)</p> <p>Component B Milky White (Liquid)</p>						
Packing	<table border="1"> <tr> <td>StoCrete CCW Elastic</td> <td>30 kg set</td> </tr> <tr> <td>StoCrete CCW Elastic Component A</td> <td>20 kg</td> </tr> <tr> <td>StoCrete CCW Elastic Component B</td> <td>10 kg</td> </tr> </table>	StoCrete CCW Elastic	30 kg set	StoCrete CCW Elastic Component A	20 kg	StoCrete CCW Elastic Component B	10 kg
StoCrete CCW Elastic	30 kg set						
StoCrete CCW Elastic Component A	20 kg						
StoCrete CCW Elastic Component B	10 kg						
Storage							
Storage life / conditions	<p>The shelf life of StoCrete CCW Elastic is approximately 12 months if stored in cool dry conditions.</p>						
Special notes							
Health & Safety	<p>Please refer to Safety Data Sheet</p>						
Technical Support	<p>Please consult the local sales office for further information and any site assistance required.</p>						

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The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on www.sto-sea.com.

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