

Technical Data Sheet

StoCrete CCW Elastic

Two components flexible cementitious waterproofing membrane



Characteristics

- Functionality**
- 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 Apply by stiff brush

Area of Use

- 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

Technical Data

Data	Criteria	Test Standard	Value	Unit
	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 values stated are average values. Due to the use of natural raw materials in our products, the actual value determined on an individual delivery may deviate slightly without compromising product suitability.

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Application	
Substrate Preparation	<p>All surfaces to be coated with StoCrete CCW Elastic must be sound, clean and free from dust, oil, laitance and any loose adhering particles.</p> <p>Repair all large cracks and honeycomb with Sto REPAIR SYSTEM.</p> <p>Leaking area must be properly sealed with StoCrete PLUG prior to application.</p>
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.</p> <p>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 depend 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	<p>StoCrete CCW Elastic is available in 30 kg set.</p> <p>StoCrete CCW Elastic Component A 20 kg</p> <p>StoCrete CCW Elastic Component B 10 kg</p>
Storage	
Storage life / conditions	<p>The shelf life of StoCrete CCW Elastic is approximately 12 months if stored in cool dry conditions.</p>

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Special Notes

Safety Precautions StoCrete CCW Elastic is non-flammable. It contains cement powder which if damp or mixed with water, will release alkali which can be harmful to the skin or eyes. Therefore, the use of protective gloves and goggles is recommended. However, should accidental eye contact occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.

Technical Support Please consult Sto Technical Service Department or the local sales office for further information and any site assistance required.

Disclaimer Sto Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions. Whilst efforts are made to ensure that any advice, recommendation, specification or information Sto SEA may give is accurate and correct, it cannot accept any liability either directly or indirectly arising from the use of its products as it has no direct or continuous control over where or how the products are applied, whether or not in accordance with any advice, specifications, recommendation or information given by it.

If any product fails to conform, Sto SEA will replace the product at no cost to the buyer. Replacement of any products shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.

Any warranty claim must be made within six months from the date of the claimed breach. Buyers shall be solely responsible for determining the suitability of products for their intended use.

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