

Technical Data Sheet

StoCrete 4222 Flex

Two components flexible cementitious waterproofing membrane



Characteristics

Area of application	<p>Waterproofing of :</p> <ul style="list-style-type: none"> ▪ Damp rooms, shaft, tanks, sinks ▪ Bathrooms, kitchens ▪ Swimming pools, fountains ▪ Planter boxes and gutters ▪ Basement walls ▪ Water retaining structures ▪ As a secondary membrane for re-roofing work
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Properties	<ul style="list-style-type: none"> ▪ Reliable sealing of horizontal and vertical areas ▪ Suitable for coating interior and exterior areas against water ingress and dampness ▪ Non-corrosive ▪ Flexible ▪ Good abrasion resistant ▪ Excellent adhesion to practically all surfaces ▪ Good permeability to water vapour
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Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Mix Density		1.55 g/cm ³	
Adhesion Strength	ASTM D4541	1.0 N/mm ² (± 5%)	
Tensile Strength	ASTM D412	1.4 N/mm ² (± 5%)	
Water Penetration	DIN 1048 : Pt 5	No measurable permeability	
Shore A Hardness	ASTM D2240	> 60	
Elongation	ASTM D412	> 40 %	

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.

Substrate

Preparation	<p>All surfaces to be coated with StoCrete 4222 Flex 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>
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Application

Application temperature	<p>Lowest application temperature + 8 °C</p> <p>Highest application temperature + 45 °C</p>				
Time for application	<p>At 20 °C approx. 40 mins</p> <p>At 30 °C approx. 30 mins</p>				
Consumption	<table border="1" style="width: 100%;"> <thead> <tr> <th>Type of application</th> <th>Approx. coverage</th> </tr> </thead> <tbody> <tr> <td>At least 2 coats</td> <td>1.0 -1.5 kg/m²/coat</td> </tr> </tbody> </table>	Type of application	Approx. coverage	At least 2 coats	1.0 -1.5 kg/m ² /coat
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Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Technical Data Sheet

StoCrete 4222 Flex

Material Preparation	Pour Component B into a mixing container and add in approx. $\frac{3}{4}$ of Component A slowly and gradually during stirring at low speed. Continue mixing whilst slowly adding the remaining powder. Mix until a fully homogeneous and lump free compound is achieved.									
Application method	Apply with stiff brush									
Application	<ol style="list-style-type: none"> 1) Prior to application, pre-wet the substrate thoroughly with clean water to saturate the pores. 2) Apply the mixed StoCrete 4222 Flex with stiff brush. 3) The overall thickness is approximately 1 – 2 mm. It can be achieved in 2 to 3 coats of each not exceeding 1mm thick. 4) Second or subsequent layer can be applied as soon as the preceding coat is trafficable. 5) For optimum performance, StoCrete 4222 Flex 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. 									
Cleaning Tools	Tools must be cleaned immediately after use with clean water. Hardened materials can only be removed mechanically.									
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.									
Delivery										
Colour	Component A – Grey (Powder) Component B – Milky White (Liquid)									
Packaging	<table border="1"> <thead> <tr> <th>Name</th> <th>Packing</th> </tr> </thead> <tbody> <tr> <td>StoCrete 4222 Flex</td> <td>36 kg set</td> </tr> <tr> <td>StoCrete 4222 Flex Component A</td> <td>26 kg</td> </tr> <tr> <td>StoCrete 4222 Flex Component B</td> <td>10 kg</td> </tr> </tbody> </table>	Name	Packing	StoCrete 4222 Flex	36 kg set	StoCrete 4222 Flex Component A	26 kg	StoCrete 4222 Flex Component B	10 kg	
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StoCrete 4222 Flex	36 kg set									
StoCrete 4222 Flex Component A	26 kg									
StoCrete 4222 Flex Component B	10 kg									
Storage										
Storage conditions	Store in cool dry conditions; avoid direct sunlight.									
Storage life	This product has a shelf life of 12 months from the manufacturing date.									
Identification										
Product group	Waterproofing									
Safety	Please refer to Safety Data Sheet.									

Technical Data Sheet

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Special Notes

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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*Product images may differ from the actual product.