

Durex Flexcrete FS (Fast Set)

Flexible Polymer-Based Cementitious Base Coat Adhesive & Water-Resistive Air Barrier - Fast Set

Description	Durex® Flexcrete FS forms part of the Durex Flexcrete family of products incorporating all of the features of the Durex Flexcrete plus a fast set feature to allow for faster curing and recoating process. Durex Flexcrete FS is a two-component polymer-based coating consisting of Flexcrete FS, a water-based acrylic, and Flexcrete FS 'B,' a cementitious-based dry blend. The Durex® Flexcrete FS mix has been developed to render setting and curing times of ¼ of the time of the traditional Durex Flexcrete, allowing for recoating within 30 minutes.
Uses	Durex® Flexcrete FS mix can be used as the base coat in Durex® Stucco Lite family of systems, Durex® Flexlite and Durex® Quantum system applications. This product is best suited for applications that require the work to be completed faster (same day completion). Durex® Flexcrete FS may also be used as the insulation adhesive for all Durex® EIFS Systems. In addition, Durex® Flexcrete FS functions as a water-resistive (WRB) air barrier.
Features	<p>Durex® Flexcrete FS has been formulated to provide all of the features and performance of the Durex Flexcrete but in substantially shorter curing periods for faster completion of the work.</p> <p>High Flexibility – can be bent over a 6.4 mm (1/4”) mandrel without cracking.</p> <p>Durex® Flexcrete FS provides the following features:</p> <ul style="list-style-type: none"> • Faster setting and curing times (1/4 of the standard Durex Flexcrete) allows for recoting within 30 minutes • Designed to allow minor movements in the substrate without causing cracking in the base coat • Easy to mix and use • Excellent job site quality control

TECHNICAL DATA

PHYSICAL PROPERTIES			
Product Type	Water-based acrylic, sand-filled mixture		
Appearance	White semi-solid ready-mixed paste		
Viscosity	Pourable paste		
pH Level	9.0 to 9.5		
Toxicity	Non-toxic		
Coverage	Each pail/bag will provide approximately 10-12m ² (107-130 FT ²)		

PERFORMANCE PROPERTIES	METHOD	RESULT		
Tensile Strength	ASTM C190	0.35 MPa (50 psi) without mesh 16.55 MPa (2400 psi) with mesh		
Elongation	ASTM D412	9.4%		
Flexural Strength	ASTM C293	8.28M MPa (1200 psi)		
Air Leakage	ASTM E283	0.0022 L/s.m ² (0.004 cfm/ft ²) @ 75 Pa		
Water Vapour Permeance	ASTM E96 Method A	400 ng/Pa.s.m ² (7.0 Perms) @ 2.36 mm		
	ASTM E96 Method B	972 ng/Pa.s.m ² (17 Perms) @ 2.36 mm		
Impermeability to Water	CCMC 6.7	Pass		
Coefficient of Water Absorption	CCMC 5.5.1	0.0007 Kg (m ² .s ^{1/2})		
Salt Spray Resistance	ASTM B-117	Passed (300 hours)		
Accelerated Weathering	ASTM D-822	Passed (2000 hours)		
Freeze/Thaw Resistance	CCMC Method	Passed (10 cycles)		
Adhesion (axial pull)	ASTM D1623	Cement Board	Concrete	Glass Mat Gypsum
		Dry State	Pass	Pass
		2h- dry	Pass	Pass
		7 d- dry	Pass	Pass

Packaging	Durex® Flexcrete FS is available in 18.9 litre (4.5 gal) pails. Durex® Flexcrete FS 'B' is available in 22.7 Kg (50 lb) bags.
Storage	Store Durex® Flexcrete FS in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. KEEP FROM FREEZING. DISCARD ALL FROZEN MATERIALS.
Mixing Procedure	<p>Thoroughly mix Durex® Flexcrete FS before each use. Discard all materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity. Discard all frozen materials. Discard all material which has begun to harden. Mix Durex® Flexcrete FS with Durex® Flexcrete FS 'B' in accordance with the following formula:</p> <p>Durex® Flexcrete FS 'B' 1 - 22.7kg bag Durex® Flexcrete FS 1 - 18.9L pail</p> <p>Pour the Durex® Flexcrete FS into an empty clean mixing container. While under slow mixing action add the Durex® Flexcrete FS 'B' in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Discard all materials which have begun to harden. Let mixed material stand for a few minutes to begin initial stiffening. Mix only enough materials which can be used within 45 minutes. Re-temper and use. Discard all materials which have begun to stiffen for a second time. Durex® Flexcrete FS may also be mixed with Type 10 Portland Cement using the same proportions detailed above. DO NOT SUBSTITUTE NOR COMPENSATE DUREX® FLEXCRETE FS WITH WATER OR OTHER ADDITIVES.</p>
Application	Refer to the selected Durex® Wall System for the application of the Durex® Flexcrete FS.
Limitations	<ul style="list-style-type: none"> • Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period • Do not apply the mix in layers thicker than 3.2 mm (1/8") in any one pass
Clean-up	Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

