

Durex Flexcrete WG (Winter Grade)

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

Description	Durex® Flexcrete WG is a two-component polymer-based coating consisting of Flexcrete WG, a water-based acrylic, and Flexcrete 'B,' a cementitious-based dry blend. The Durex® Flexcrete WG mix has been specially developed for applications during colder weather and fully cured at temperatures as low as 0°C.
Uses	Durex® Flexcrete WG is intended to be used as the base coat in Durex® Stucco Lite, Durex® Flexlite and Durex® Quantum family of systems. This product is suitable as a joint treatment and base coat for cement board and glass-mat faced gypsum substrates. Durex® Flexcrete WG may also be used as the insulation adhesive for all Durex® EIFS Systems. In addition, Durex® Flexcrete WG functions as a water-resistive (WRB) air barrier.
Features	<p>Durex® Flexcrete WG has been formulated to obtain full cure at temperatures as low as 0°C, an ideal advantage during late fall/early winter and spring periods when temperatures during the night can drop. Durex® Flexcrete WG provides the following features:</p> <ul style="list-style-type: none"> • Low temperature curing • Superior adhesion to various inorganic substrates • Combines the strength of cement and the flexibility of synthetics • Designed to allow minor movements in the substrate without causing cracking in the base coat • Allows for large surface areas to be coated without the need of unwanted control joints

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 10-12 m ² (107-130ft ²)

PERFORMANCE PROPERTIES	METHOD	RESULT	
Tensile Strength	ASTM C190	0.35 MPa (50 psi) without mesh	
	ASTM C190	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)@ 75Pa	
Water Vapour Permeance	ASTM E96 Method A	400 ng/Pa.s.m ² (7.0 perms)	
	ASTM E96 Method B	972 ng/Pa.s.m ² (17 perms)	
Impermeability to Water	CCMC 6.7	385.56 ng/Pa.s.m ² (6.74 perms) @ 25°C (77°F)	
Coefficient of Water Absorption	CCMC 5.5.1	0.0007 Kg (m ² .s ^{1/2})	
Salt Spray Resistance	ASTM B117	Passed (300 hours)	
Accelerated Weathering	ASTM D822	Passed (2000 hours)	
Freeze/Thaw Resistance	CCMC Method	Passed	
Adhesion (axial pull)	ASTM D1623	Cement Board	
		Concrete	
		Glass Mat Gypsum	
		Dry State	Pass
2h- dry	Pass	Pass	Pass
7 d- dry	Pass	Pass	Pass

Packaging Durex® Flexcrete WG is available in 18.9 litre (4.5 gal) pails. Durex® Flexcrete 'B' is available in 22.7 Kg (50 lb) bags.

Storage Store Durex® Flexcrete WG in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 0°C (32°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 Thoroughly mix Durex® Flexcrete WG 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 WG with Durex® Flexcrete 'B' in accordance with the following formula:

- Durex® Flexcrete 'B' 1 - 22.7kg bag
- Durex® Flexcrete WG 1 - 18.9L pail

Pour the Durex® Flexcrete WG into an empty clean mixing container. While under slow mixing action, add the Durex® Flexcrete '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 WG may also be mixed with Type 10 Portland Cement using the same proportions detailed above. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® FLEXCRETE WG WITH WATER OR OTHER ADDITIVES.**

Application Refer to the selected Durex® Wall System for the application of the Durex® Flexcrete WG.

Limitations

- Ambient, surface and material temperatures must be above 0°C (32°F) during application and curing period
- Do not apply the mix in layers thicker than 3.2 mm (1/8") in any one pass
- Durex® Flexcrete WG has been specially formulated to ensure full cure at lower temperatures, however it is recommended that for best results the product be kept from freezing during application and the curing period

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.

