

Durex Acrybond "S" WG (Winter Grade)

100% Acrylic EIFS Base Coat Polymer Modifier for Winter Application

Description	Durex® Acrybond "S" WG is a water-based 100% acrylic polymer cement additive. Durex® Acrybond "S" WG has been specially formulated to provide maximum adhesion and ideal application properties when used as the catalyst in the mix with Durex® Uniplast. It is the typical mix for the Durex® family of Exterior Insulation and Finish Systems (EIFS). The Durex® Acrybond "S" WG mix has been specially developed for applications during colder weather and fully cures at temperatures as low as 0°C.
Uses	Durex® Acrybond "S" 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® Acrybond "S" WG is used as an insulation adhesive and as scratch and base coats when mixed with Durex® Uniplast.
Features	<p>Durex® Acrybond "S" WG is formulated to provide:</p> <ul style="list-style-type: none"> • Low temperature curing • Superior bonding to foam plastic insulation when mixed with Durex® Uniplast • Longer open time of mixes • Develops ideal consistency of mixes for better initial tack to keep insulation boards in place when used as an insulation adhesive • Simplified job site mixing as no water or other additives required • Consistent job site quality control • Low moisture absorption rate of the mixes • Higher compressive and flexural strength of the cementitious mixtures • Reduced shrinkage and cracking of the mixes

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Water-based acrylic emulsion
Appearance	White milky liquid
Viscosity	60 – 100 cps
pH Level	9.0 to 9.5
Toxicity	Non-toxic
Mix Open Time	45-60 minutes

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Non-combustible	CAN4-ULC-S114	Rated non-combustible
Compressive Strength	ASTM C109	43.10 MPa (6250 psi)
Flexural Strength	ASTM C293	6.91 MPa (1002 psi)
Shear Bond Adhesion	ASTM C882	11.20 MPa (1625 psi)
Absorption Rate	ASTM D570	1.90% in water
Taber Abrasion	ASTM D4060	3500 cycles
Tensile Strength	ASTM C190	6.00 MPa (870 psi)

*All performance characteristics noted above are as a result of using Durex® Acrybond S "WG" in conjunction with Durex® Uniplast.

Packaging Durex® Acrybond "S" WG is readily available in 18.9 litre pails.

Storage Store Durex® Acrybond "S" WG" in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep material dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. **KEEP FROM FREEZING. DISCARD ANY FROZEN MATERIALS.**

Mixing Procedure Mix Durex® Acrybond "S" WG with Durex® Uniplast to the proportions required. The viscosity of the matrix, as desired, can be adjusted with an additional small amount of Durex® Acrybond S. Mix thoroughly until matrix is free of lumps. Do not over mix or mix with mixing paddles at speeds over 600 rpm as excessive air will be induced into the mix which will affect the long-term performance of the mixture. Let mixture stand for 5 to 10 minutes, then re-temper and use. Discard all mixtures which begin to harden a second time. Thoroughly mix Durex® Acrybond "S" WG before each use. Discard all frozen materials, materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® ACRYBOND S WITH ANY OTHER TYPE OF MIXING LIQUID MEDIUM.**

Limitations	Not recommended for use when ambient, surface and material temperatures are less than 0°C (32°F) during application and curing period. Ambient, surface and material temperatures must be above 0°C (32°F) during application and curing period. Durex® Acrybond “S” 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 the application and 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.



HEAD OFFICE
55 Underwriters Road
Scarborough, ON M1R 3B4
T 416.759.4474 F 416.759.4470

MISSISSAUGA
6178 Netherhart Road
Mississauga, ON L5T 1B7
T 905.565.9283 F 905.565.9365

EDMONTON
14345 120th Avenue
Edmonton, AB T5L 2R8
T 780.451.6364 F 780.453.9056

INFO@DURABOND.COM

WWW.DURABOND.COM

1.877.DURABOND (387.2266)

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