

Durex® Green Guard

Flexible Latex Copolymer Air/Vapour-Barrier Membrane & Water Resistive (WRB)

Description	Durex® Green Guard is a single-component, liquid-applied, water-based, latex copolymer, water-resistive (WRB) air/vapour-barrier membrane. Trowel or spray applied, it cures to form a tough, seamless, elastomeric membrane, which is resistant to liquid water, air leakage and vapour diffusion. In its liquid state, Durex® Green Guard is light green in colour and cures to a translucent forest green colour.
Uses	Durex® Green Guard acts as a water-resistive (WRB) air/vapour barrier within the building envelope. It is intended be applied to most common surfaces such as concrete, brick, concrete block, glass-mat coated gypsum, cement board, plywood and Oriented Strand Board (OSB), and integrated into various Durex EIFS Systems for both new and retrofit construction.
Features	<ul style="list-style-type: none"> · Highly flexible, bridges cracks which may form in the substrate · Liquid characteristics assures a monolithic, seamless membrane · Water-resistive (WRB) air/vapour barrier membrane · Remains firmly bonded to the substrate even when applied over damp surfaces · Water-based technology allows for simple and safe application and easy clean up

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Water-based copolymer
Appearance	Green viscous material in its liquid state
Specific Gravity	0.98 Kg/lit
ph Level	6.0
Vapour Pressure	(mmHg) 17 @ 20°C
Boiling Point	Approx. 100°C
Application Temperature	Above 2°C (35°C)
Coverage	Approximately 20 - 25m ² (215-270ft ²) per 18.9 lt (5 gal) pail

PERFORMANCE PROPERTIES	METHOD	RESULT
Bond Strength	ASTM D321	0.51 MPa (73.3 psi)
Tensile Strength	ASTM D412	2.73 MPa (390 psi)
Elongation	ASTM D412	340%
Plastic Flow		No sagging at 60°C for 5 hours
Air Leakage	ASTM E283	0.0001L/(s.m ²) @ 75 Pa
Water Vapour Permeance	ASTM E96 Method A	11 ng/Pa.s.m ² (0.2 Perms)
	ASTM E96 Method B	48 ng/Pa.s.m ² (0.8 Perms)
Coefficient of Water Absorption	CCMC 5.5.1	0.0001 kg/m ² .s ^{1/2}

Storage	Keep Durex® Green Guard containers tightly sealed and store stacked off the ground with ambient temperatures above 2°C (35°F). KEEP FROM FREEZING. DISCARD ALL FROZEN MATERIALS.
Application	Substrate must be dry, clean, sound and free of weak and powdery surfaces, dust, dirt, oil, grease and other deleterious materials, which may be detrimental to Durex® Green Guard during or after curing. (Consult Durabond Products Limited for questionable substrates). Durex® Green Guard may be trowel or spray applied. For spray application, use a conventional airless unit with a 0.025 tip and a minimum of 3,000 p.s.i. Allow material to dry at air and surface temperature of 2°C (35°F) or higher.
Limitations	Durex® Green Guard is not recommended for use: <ul style="list-style-type: none"> · When ambient, surface and material temperatures are below 2°C (35°F) during application and curing period · As a permanently exposed membrane
Curing/Drying Time	Curing time will differ depending on specific application conditions. Relative humidity, temperature and airflow will effect curing time. DO NOT SUBSTITUTE NOR COMPENSATE DUREX® GREEN GUARD WITH

OTHER ADDITIVES.

Clean-up	Durex® Green Guard is a water-based emulsion and does not require the use of solvents for cleaning up. Use light soap and water to clean uncured material. Cured material is best removed with xylol or by mechanical means.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent MSDS 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.

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