

Durex Blue Shield

Flexible Latex Copolymer Air Barrier & Waterproofing Membrane

- Description** Durex® Blue Shield is a single-component, liquid-applied, water-based, latex copolymer, air barrier and water resistive barrier membrane. Applied by roller, trowel or spray equipment, 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® Blue Shield is light blue in colour and cures to a translucent dark blue colour.
- Uses** Durex® Blue Shield is used as an air barrier within the building envelope and as a seamless elastomeric membrane. It is intended to be applied to most common surfaces and integrated into various wall systems in both new construction and restoration. Durex® Blue Shield is an air barrier and a water resistive barrier (WRB). Typical uses are:
- Water resistive/air barrier for EIFS application
 - New and existing walls
 - Plywood, cement board and glass matt gypsum sheathing, masonry & concrete
 - ICF-Insulated Concrete Forms
- Advantages**
- Highly flexible, bridges cracks which may form in the substrate
 - Liquid characteristics assures a monolithic, seamless membrane
 - Water-resistive (WRB) air barrier membrane. Prevents air leakage and water ingress
 - 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
 - Can be sprayed

TECHNICAL DATA

PHYSICAL PROPERTIES		
Product Type	Water-based copolymer	
Appearance	Light blue viscous material in its liquid state	
Specific Gravity	0.98 Kg/ Lt	
pH Level	6.0	
Vapour Pressure	(mmHg) 17 @ 20°C	
Boiling Point	Approx. 100°C	
Application Temperature	Above 5°C (40°F)	
Coverage	25-28 m ² (250-300ft ²) per 18.9L (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) @ 75Pa pressure differential
Water Vapour Permeance	ASTM E96 Method A	107 ng/Pa.s.m ² (1.9 Perms)
	ASTM E96 Method B	268 ng/Pa.s.m ² (4.7 Perms)

Storage Store Durex® Blue Shield 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® Blue Shield during or after curing. (Consult Durabond Products Limited for questionable substrates). Durex® Blue Shield may be applied by roller, trowel or spray. For spray application, use a conventional airless unit with a 0.025 tip and a minimum of 3,000 psi.

Curing/Drying Time Allow material to dry at air and surface temperature of 2°C (35°F) or higher. Curing time will differ depending on specific application conditions. Relative humidity, temperature and airflow will affect curing time. Average conditions and standard thickness will achieve tack-free film in 1 to 3 hours and full cure within 7 days. **DO NOT SUBSTITUTE OR COMPENSATE DUREX® BLUE SHIELD WITH WATER OR OTHER ADDITIVES.**

Limitations	Durex® Blue Shield Plus 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
Clean-up	Durex® Blue Shield 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 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.

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