

Durex® Dur-A-Mastic 100

Water-Based Acrylic Water Resistive Barrier (WRB) Air Barrier

- Description** Durex® Dur-A-Mastic 100 is a water-based acrylic, ready-mixed, single-component product. Its primary use is as an air/water-resistive barrier (WRB). It is also used as an adhesive to bond expanded polystyrene insulation to wood substrates. When used as a WRB, it meets the requirements for moisture-sensitive substrates as well as an air barrier membrane. It is applied by trowel and it cures to form a tough, seamless, elastomeric membrane, which is resistant to air leakage and water ingress under hydrostatic pressure.
- Uses** Durex® Dur-A-Mastic 100 is used as an air barrier within the building envelope and as a seamless WRB membrane. It may be applied to most common surfaces and integrated into various wall systems in both new construction and restoration. Durex® Dur-A-Mastic 100 is an Air Barrier and a WRB.
Typical uses are:
- Water-resistant/air barrier WRB for EIFS application
 - Plywood/OSB, cement board & exterior-grade gypsum board sheathing
 - Can also be used as an adhesive for installation of EPS insulation onto wood substrates such as plywood sheathing and OSB
- Advantages**
- Highly flexible, bridges cracks which may form in the substrate
 - Trowel application assures a monolithic, seamless membrane
 - Prevents air leakage and water ingress through porous building materials
 - Remains firmly bonded to the substrate even when applied over damp surfaces
 - Non-toxic
 - One component; ready to use
 - Odourless
 - Easy clean up with water

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Water-based acrylic emulsion
Appearance	White dense compound
Toxicity	Non-toxic
Minimum Curing Temperature	5°C
Density	1.25 -1.35 Kgs/ltr
Coverage	As an air/water-resistant barrier Average 19 m ² /pail (205 ft ² /pail)
Substrate Requirement	Clean solid wood, preferably plywood substrate

PERFORMANCE PROPERTIES	METHOD	RESULT
Air Leakage	ASTM E283	0.023 L/s.m ² @ 75 Pa differential
Water Vapour Permeance	ASTM E96 Method A	248 ng/Pa.s.m ² (4.3 Perms)
	ASTM E96 Method B	645 ng/Pa.s.m ² (11.3 Perms)
Coefficient of Water Absorption	CCMC 5.5.1	0.0012 kg/(m ² .s ^{1/2}) on cement board
		0.0010 kg/(m ² .s ^{1/2}) on OSB

Adhesion (axial pull)	ASTM D1623	Cement Board	Concrete	Glass Mat Gypsum	Wood (OSB)
		Dry State	Pass	Pass	Pass
	2h- dry	Pass	Pass	Pass	Pass
	7 d- dry	Pass	Pass	Pass	Pass

- Packaging** Durex® Dur-A-Mastic 100 is readily available in 18.9 litre pails.
- Storage** Store Durex® Dur-A-Mastic 100 in a dry, vented, waterproof location, stacked off the ground with ambient temperature above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. **KEEP FROM FREEZING.**
- Application** Substrate must be dry, solid and sound, free of weak and powdery surfaces, free from ice, snow, dew and frost, oil, grease-releasing agents and other deleterious materials detrimental to a positive bond.

Thoroughly re-mix Durex® Dur-A-Mastic 100 in its own pail before each use. Use the adhesive directly from the pail. 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. Using a trowel apply a full bed of Durex® Dur-A-Mastic 100 on the clean and sound substrate. Allow to dry for a minimum of 24 to 48 hrs before proceeding to install the rigid insulation boards. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® DUR-A-MASTIC 100 WITH WATER OR OTHER ADDITIVES.**

Limitations

Durex® Dur-A-Mastic 100 is not recommended for use:

- When ambient, surface and material temperatures are below 5°C (41°F) during application and curing period
- Over previously painted surfaces
- Over bituminous materials

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. **KEEP MATERIALS FROM FREEZING. DISCARD ALL FROZEN MATERIALS.**

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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