

# Durex® Dur-A-Mastic 100

## Water Based Acrylic WRB & Insulation Adhesive

- Description** Durex® Dur-A-Mastic 100 is a water based acrylic. Ready mixed, single component product. Its primary use is as an air/water resistant 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 Class III 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 a Class III Air Barrier and a WRB at a wet film thickness of 1.0 mm. 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 up to 1/16" which may form in the substrate
  - Trowel application assures a monolithic, seamless membrane
  - Prevents air leakage a 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
  - Non-flammable
  - Easy clean up with water
- 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

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

<b>Product Type</b>	Water based acrylic emulsion
<b>Appearance</b>	White dense compound
<b>Toxicity</b>	Non-toxic
<b>Minimum Curing Temperature</b>	5°C
<b>Density</b>	1250 kg/m <sup>3</sup> (net)
<b>Coverage</b>	As an air/water resistant barrier Average 19 m <sup>2</sup> /pail (205 ft <sup>2</sup> /pail) @ 1.0 mm
<b>Substrate Requirement</b>	Clean solid wood, preferably plywood substrate

	METHOD	RESULT
<b>Air Leakage</b>	ASTM E 283-91	0.023 L/s.m <sup>2</sup> @ 1.0 mm thick
<b>Water Vapour Permeance</b>	ASTM E 96-95	248 ng/ (Pa.s.m <sup>2</sup> ) @ 1.0 mm dry
<b>Coefficient of Water Absorption</b>	CCMC 5.5.1	0.0012 kg/(m <sup>2</sup> .s <sup>1/2</sup> ) on cement board 0.0010 kg/(m <sup>2</sup> .s <sup>1/2</sup> ) on OSB

**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.**

**Clean up** Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.

<b>Storage</b>	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.
<b>Packaging</b>	Durex® Dur-A-Mastic 100 is readily available in 18.9 litre pails.
<b>Health and Safety</b>	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.
<b>Warranty</b>	Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Durabond's responsibility shall not exceed either the refund of the purchase price or the replacement of the purchased product
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your sales representative.

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