

# Durex® Uniplast

## Cement-Based EIFS Base Coat / Plaster Mix

<b>Description</b>	Durex® Uniplast is cement-based base coat / plaster mix available in fine, medium and coarse grades. Durex® Uniplast incorporates a well-balanced blend of selected aggregates and fillers perfectly formulated to provide ideal physical properties and excellent workability features.
<b>Uses</b>	Durex® Uniplast is a versatile product which can be used in several of the Durex EIFS Systems and Direct Applied Wall Systems as both base coat and scratch coat. It can also be used for concrete wall repair work and as a quality parging coat over masonry and concrete.
<b>Features</b>	<p>Durex® Uniplast has been formulated with numerous ideal features to facilitate and simplify its application:</p> <ul style="list-style-type: none"> <li>• Rated “non-combustible,” thus meeting the National Building Code as a material to protect foamed plastic insulation for exterior applications</li> <li>• Bagged, ready to use by simply mixing with Durex® Acrylic Resin Bond or Durex® Acrybond “S” Additive</li> <li>• Excellent workability</li> <li>• Low shrinkage, thus resulting in minimum cracking</li> <li>• Excellent compressive and flexural strength</li> <li>• Versatility – one product suitable for many applications</li> <li>• Excellent adhesion to most common surfaces</li> <li>• Excellent freeze-thaw stability</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES									
<b>Appearance</b>	Polymer-modified plaster base and EIFS base coat								
<b>Toxicity</b>	CAS Registry No. 65997-15-1 (contains Portland Cement)								
<b>Density</b>	1290 kg/m <sup>3</sup>								
<b>Bulk Pot Life</b>	1 hr to 2 hrs (depending on ambient conditions and type of polymer used)								
<b>Mixing Ratio/Coverage</b>	<table border="0"> <tr> <td>EIFS (EPS) Base Coat:</td> <td>1 bag Uniplast Grey Medium / Fine, 4.75 litres Durex® Acrybond ‘S’ 7.0 m<sup>2</sup> @ 3 mm (75 ft<sup>2</sup> @ 1/8”)</td> </tr> <tr> <td>EIFS (Mineral Wool) Base Coat:</td> <td>1 bag Uniplast Grey Medium / Fine, 4.75 litres Durex® Acrybond ‘S’ 4.6 m<sup>2</sup> @ 4 mm (50 ft<sup>2</sup> @ 5/32”)</td> </tr> <tr> <td>Masonry Parge Coat:</td> <td>1 bag Uniplast Medium, 5 litres Durex® Acrylic Resin Bond 3.7 m<sup>2</sup> @ 4.7 mm (40 ft<sup>2</sup> @ 3/16”)</td> </tr> <tr> <td>Cement Plaster Base:</td> <td>1 bag Durex® Uniplast Coarse, 4.5 litres Acrylic Resin Bond 2.3 m<sup>2</sup> @ 6 mm (25 ft<sup>2</sup> @ 1/4”)</td> </tr> </table>	EIFS (EPS) Base Coat:	1 bag Uniplast Grey Medium / Fine, 4.75 litres Durex® Acrybond ‘S’ 7.0 m <sup>2</sup> @ 3 mm (75 ft <sup>2</sup> @ 1/8”)	EIFS (Mineral Wool) Base Coat:	1 bag Uniplast Grey Medium / Fine, 4.75 litres Durex® Acrybond ‘S’ 4.6 m <sup>2</sup> @ 4 mm (50 ft <sup>2</sup> @ 5/32”)	Masonry Parge Coat:	1 bag Uniplast Medium, 5 litres Durex® Acrylic Resin Bond 3.7 m <sup>2</sup> @ 4.7 mm (40 ft <sup>2</sup> @ 3/16”)	Cement Plaster Base:	1 bag Durex® Uniplast Coarse, 4.5 litres Acrylic Resin Bond 2.3 m <sup>2</sup> @ 6 mm (25 ft <sup>2</sup> @ 1/4”)
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<b>Substrate Requirements</b>	<table border="0"> <tr> <td>EIFS Base Coat:</td> <td>Clean, rasped EPS or Mineral Wool Insulation</td> </tr> <tr> <td>Masonry Parge Coat:</td> <td>Clean, unpainted, solid masonry or concrete</td> </tr> <tr> <td>Metal Lath Plaster:</td> <td>Mechanically fastened galvanized metal lath</td> </tr> </table>	EIFS Base Coat:	Clean, rasped EPS or Mineral Wool Insulation	Masonry Parge Coat:	Clean, unpainted, solid masonry or concrete	Metal Lath Plaster:	Mechanically fastened galvanized metal lath		
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PERFORMANCE PROPERTIES	METHOD	RESULT
<b>Combustibility</b>	CAN/ULC S114	Rated non-combustible
<b>Compressive Strength</b>	ASTM C109	43.10 MPa (6250 psi)
<b>Flexural Strength</b>	ASTM C293	6.91 MPa (1002 psi)
<b>Shear Bond Adhesion</b>	ASTM C882	11.20 MPa (1625 psi)
<b>Absorption Rate</b>	ASTM D570	1.90%
<b>Taber Abrasion</b>	ASTM D4060	Pass 2000 cycles
<b>Tensile Strength</b>	ASTM C190	6.00 MPa (870 psi)

<b>Packaging</b>	Durex® Uniplast is available in three grades, Fine, Medium and Coarse, and in three colours White, Light Grey and Grey, packaged in 22.7 kg (50 lb) bags.
<b>Storage</b>	Store Durex® Uniplast in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. <b>KEEP FROM FREEZING.</b>
<b>Mixing Procedure</b>	<p>Mix Durex® Uniplast with either Durex® Acrylic Resin Bond or Durex® Acrybond “S” additive in accordance with the following proportions:</p> <ul style="list-style-type: none"> <li>• Durex® Uniplast Fine <span style="float: right;">1 bag</span></li> <li>• Durex® Acrylic Resin Bond or Durex® Acrybond S <span style="float: right;">4 to 5 litres</span></li> </ul>

Pour the acrylic polymer cement additive into an empty clean mixing container. While under slow mixing action, add the Durex® Uniplast in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Discard all materials which have begun to harden. Let mixed material stand for a few minutes to begin initial stiffening. Mix only enough materials which can be used within 45 minutes. Re-temper and use. Discard all materials which have begun to stiffen for a second time. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® PEARL WITH WATER OR OTHER ADDITIVES.**

<b>Application</b>	Refer to the selected Durex® Wall System for the application of the Durex® Uniplast.
<b>Limitations</b>	<ul style="list-style-type: none"><li>. Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period</li><li>. Not to be used as a thermal fire barrier</li></ul>
<b>Clean-up</b>	Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.
<b>Health and Safety</b>	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.
<b>Warranty</b>	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.
<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 Durabond Products Ltd. sales representative.

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V2.01