

# Durex® Epotel SL

## Self Levelling Epoxy Resin for use in Duracrete SL System

<b>Description</b>	Durex® Epotel SL Self Leveling Epoxy Resin is a pigmented, self-leveling epoxy compound designed to be mixed with Duracrete SL filler as part of the Duracrete SL System. Duracrete SL is designed to renovate worn concrete floors or protect new concrete against heavy wear and chemical spills. Durex® Duracrete SL Self Leveling Epoxy Surfacing can be installed as a self-sealing system, broadcast with silica and resealed to produce a solid-colored texture system, or broadcast with multicolored quartz aggregates and sealed with a clear sealer to product a decorative surface.
<b>Uses</b>	Durex® Epotel SL offers excellent workability designed specifically to be mixed with Duracrete SL aggregate for an easy to use, long-term, low maintenance service for heavy industrial, commercial and institutional flooring applications.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>. Clean rooms</li> <li>. Areas that produce light manufacturing and assembly</li> <li>. Warehouses, workshops, mechanical rooms and laboratories</li> <li>. Variety of commercial and retail applications</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>. Economical and durable flooring system</li> <li>. Excellent color retention</li> <li>. Fast and easy installation</li> <li>. Excellent abrasion and wear resistant</li> <li>. Will not support growth of fungus or bacteria</li> <li>. CFIA Approved &amp; USDA compliant for use in federally inspected meat and poultry plants</li> </ul>

**TECHNICAL DATA**  
(Mixed with Duracrete SL Aggregate)

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Compressive Strength @ 7 days	ASTM C 579	11,500 psi
Tensile Strength	ASTM C 307	2,250 psi
Flexural Strength	ASTM C 580	4,500 psi
Bond Strength	ACI 503R	350 psi concrete fails
Thermal Coefficient of Expansion	ASTM D 696	0.000046 inch per inch per 0°F
Abrasion Resistance CS-17 wheel, 1 kg. load, 1000 rev.	ASTM D4060	0.1 gm. maximum weight loss
Thermal Shock Resistance	ASTM C 884	Passes
Water Absorption	ASTM C 413	0.1%
Flammability	ASTM D 635	Self-extinguishing
Impact Resistance	MIL D-3134F	16 foot-pounds concrete fractures
Indentation	MIL D-3134F	No indentation
Coverage Rate		1.5 Kg/m <sup>2</sup> /mm

**Packaging** Durex® Duracrete SL Self Levelling Epoxy Surfacing System is packages as follows: Durex® Epotel SL is packaged as a kit (Part A and Part B) in 56.7L (15 gal), 18.9 L (5 gal) and 3.78 L (1 gal) units. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the *Durex® Colour Selection Guide* for all available colour options.

**Storage Conditions** For improved performance, Durex® Duracrete SL should be sealed and kept in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials in ambient temperatures above 10 degrees C and below 35 degrees C. KEEP FROM FREEZING.

<b>Surface Preparation</b>	Concrete must be shot blasted and prepared to ICRI CSP 3. Do not apply this or any impermeable finish over an on-grade slab with high moisture or relative humidity levels. Consult Durabond for complete details.
<b>Application</b>	Durex® Duracrete SL Self Levelling Epoxy Surfacing is installed at a nominal 60 mils to 80 mils (1.5 – 2mm) thickness consisting of a 100% solids epoxy primer; a self-leveling epoxy-silica mixture; and optional aggregates and seal coats for specified finish and texture.  Refer to Duracrete SL system data sheet for application instructions and for all information prior to use this product. Premix components, blend Durex® Epotel SL Parts A and B with a low speed drill for 2 minute. Add Durex® Duracrete SL Aggregate, blending for an additional minute ensuring the aggregate is fully wetted out. Pour onto floor surface in ribbons and level with a squeegee or cam rake, de-aerating with spike roller.
<b>Limitations</b>	Substrate must be sound, clean, properly prepared and free from hydrostatic pressure and high levels of moisture vapour transmission. As is the case with any impermeable floor coating, any concrete slab on grade to receive this product should be tested for moisture content. Product should only be installed if moisture content falls within acceptable range. Please consult Durabond for additional information.
<b>Health and Safety</b>	Use under well ventilated conditions with appropriate NIOSH approved respirator for silica fume and rubber gloves when handling the product. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Harmful if swallowed. Keep product out of reach of children. Read published Safety Data Sheet prior to handling and using the product.
<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 Technical Coatings Ltd. sales representative.



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