

# Durex® Acrotel WRS

## Water-Repellent Sealer for Porous Substrates

- Description** Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates is a single-component, acrylic copolymer, VOC-compliant concrete sealer. It is formulated to be used as a high-performance waterproofing and water-repellent penetrating acrylic sealer to protect all types of concrete and masonry.
- Uses** Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates is to be used as a water repellent for the purpose of waterproofing and sealing masonry surfaces, stucco and concrete. It replaces harmful silane-based masonry sealers.
- Features**
- VOC compliant; lower VOCs than silane-based sealers
  - Alkali resistant
  - Excellent moisture vapour transmission
  - Meets the requirements of ASTM C-309 for unit moisture loss (< 0.055 gm/cm<sup>2</sup> of surface at 72 hours) and ASTM C-1315 for water retention
  - Longer lasting properties of water repellency than any silane-based sealer (minimum 5 years)
  - Can be applied throughout all seasons under sub-zero temperatures
  - Unlike saline-based sealers, humidity or moisture does not limit the application and properties

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

|                                          |                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Colour</b>                            | Please see <i>Durex® Colour Selection Guide</i> for available colour options.                                      |
| <b>Resin Type</b>                        | Acrylic copolymer                                                                                                  |
| <b>Coverage</b>                          | Brick: 3.7-5.5 m <sup>2</sup> /L<br>Concrete block: 2.1-3.1 m <sup>2</sup> /L<br>Stucco: 2.2-3.7 m <sup>2</sup> /L |
| <b>Drying Time @ 23°C (75°F), 55% RH</b> | To touch/recoat: 1 hour<br>Full cure: 12 hours                                                                     |
| <b>Reducer/Clean-up</b>                  | Mineral spirit                                                                                                     |

#### PERFORMANCE PROPERTIES

| PERFORMANCE PROPERTIES                     | TEST METHOD                                             | RESULTS                       |
|--------------------------------------------|---------------------------------------------------------|-------------------------------|
| <b>Percent Solids</b>                      | ASTM D7232-06                                           | 54% (wt.)                     |
| <b>Viscosity (Brookfield) 23°C (75°F)</b>  | ASTM D2196                                              | 35-40 KU                      |
| <b>VOC</b>                                 | ASTM D3960                                              | < 350 g/L<br>2.93 lb/gal      |
| <b>Specific Gravity</b>                    | ASTM D333                                               | 1.00 ± 0.10 g/L<br>8.3 lb/gal |
| <b>Sheen (60°)</b>                         | ASTM D3679                                              | < 5% Dead Flat @ 60°          |
| <b>Moisture Penetration and Absorption</b> | Moisture Penetration through masonry CMU (ASTM E514)    | 99.5%                         |
|                                            | Reduction in Water Absorption vs. Untreated (ASTM C67)  | 99.6%                         |
|                                            | Reduction in Water Absorption vs. Untreated (ASTM C140) | 97%                           |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Packaging</b>           | Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates is packaged in 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 <i>Durex® Colour Selection Guide</i> for all available colour options.                                                                                                                                                                                                                                                                                                      |
| <b>Storage Conditions</b>  | Store Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates in a dry, vented, waterproof location, off the ground, out of direct sunlight and other detrimental conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Surface Preparation</b> | New concrete block and brick surfaces shall be cleaned to have all laitance, construction dust and cured materials removed prior to application. Existing surfaces must be dry and thoroughly cleaned to remove surface materials, previous coatings, alkali, efflorescence, sand, and surface dust, dirt, oil and/or grease. Surface air and material temperatures should be between -10 degrees C to 35 degrees C during application. Caulking, sealant and patch work must be done prior to the application of the sealer. Sealant must be fully cured prior to application of Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates. |
| <b>Application</b>         | Perform a test panel at 1.5 m x 1.5 m before general application to ensure desired results, coverage rates and to verify application technique. Allow two (2) hours for the product to fully react before evaluating. Materials must be mixed prior to and during application.<br><br><b>Note:</b> Typical drying time for Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates is two (2) hours at 21° degrees C and 50% Relative Humidity. Cooler temperatures can extend the drying time. However, relative humidity does not affect drying time.                                                                                    |
| <b>Clean-Up</b>            | Wash all tools and equipment immediately with mineral spirits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Limitations</b>         | Durex® Acrotel WRS Water-Repellent Sealer for Porous Substrates will not inhibit water penetration through unsound or cracked surfaces, or surfaces with defective flashing, caulking and structural waterproofing.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Health and Safety</b>   | Use under well-ventilated conditions with appropriate respirator approved for organic vapours 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. Do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.                                                                                                                                                |
| <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.                                                                                                                                                                                                                                                                                     |

# DURabond

Technical Coatings Ltd

**HEAD OFFICE**  
55 Underwriters Road  
Scarborough, ON M1R 3B4  
T 416.759.4474 F 416.759.4470

**MISSISSAUGA**  
6178 Netherhart Road  
Mississauga, ON L5T 1B7  
T 905.565.9283 F 905.565.9365

**EDMONTON**  
14345 120<sup>th</sup> Avenue  
Edmonton, AB T5L 2R8  
T 780.451.6364 F 780.453.9056

[INFO@DURABOND.COM](mailto:INFO@DURABOND.COM)

[WWW.DURABOND.COM](http://WWW.DURABOND.COM)

1.877.DURABOND (387.2266)

V2.01