

### PRODUCT DESCRIPTION:

**DUREX DUR-A-SEAL U** is a penetrating monomeric silane solution that is capable of forming a water repelling (hydrophobic) layer on and in the surface of masonry and concrete. **DUREX DUR-A-SEAL U** is a one component solvent release material and it can be applied to any silicious material, even in a damp environment.

### USES:

**DUREX DUR-A-SEAL U** has the ability to penetrate deep into the masonry or concrete substrate. The deep penetration protects it from weathering, ultra violet radiation and abrasion. **DUREX DUR-A-SEAL U** will significantly reduce chloride ion intrusion and will enable the concrete and masonry to breathe. Corrosion activity of the structure can therefore be reduced. It is especially effective on parkades, ramps and traffic decks.

### CURING SCHEDULE:

**DUREX DUR-A-SEAL U** loses its solvent very rapidly after application. However, the reaction of the

residual silane monomer with the substrate will take at least 24 hours at 25°C . Cure time is considerably longer at colder temperatures.

### COVERAGE RATES:

Concrete 4.3 m<sup>2</sup>/litre (175 ft<sup>2</sup>/gal.)

Walls and building envelopes

1 flood coat for a total coverage of 5 m<sup>2</sup>/litre (204 ft<sup>2</sup>/gal.)

ACTUAL COVERAGE WILL VARY DEPENDING ON THE POROSITY AND COMPOSITION OF THE SUBSTRATE(S). A TEST SAMPLE SHOULD BE APPLIED TO ESTABLISH PRACTICAL COVERAGE ON THE ACTUAL SUBSTRATE

### SURFACE PREPARATION:

All substrates must be properly cleaned before the application of any sealer. Shot blast or sand blast are generally acceptable means of surface preparation for a concrete slab.

### MIXING & APPLICATION:

**DUREX DUR-A-SEAL U** is supplied ready for use.

### TECHNICAL DATA

#### Physical Properties:

<b>Solvent base:</b>	Alcohol
<b>Active Ingredients:</b>	40%
<b>Specific Gravity:</b>	0.83
<b>Viscosity (cps):</b>	5-10
<b>Colour &amp; Finish:</b>	Clear, invisible
<b>Toxicity:</b>	Skin irritant
<b>Flammability:</b>	Flammable
<b>Flash Point:</b>	65°C
<b>Coverage:</b>	Concrete Floors: 4.3 m <sup>2</sup> /litre (175 ft <sup>2</sup> /gal.) Walls & Building Envelope: 5.0 m <sup>2</sup> /litre (204 ft <sup>2</sup> /gal.)

#### Performance Characteristics:

Approved by Alberta Transportation & Utilities for use on Traffic Bearing surfaces such as bridge decks and parking garage decks.

Tested in accordance with Alberta Transportation's Sealer Specification B388-88

**Sealer Classification:** Type 1a, coverage: 5.4 m<sup>2</sup>/litre (220 ft<sup>2</sup>/gal.)  
Type 1b, coverage: 4.3 m<sup>2</sup>/litre (175 ft<sup>2</sup>/gal.)

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MOISTURE PROTECTION  
SILANE WATER REPELLENT

It can be applied by brush, roller or spray.

**DUREX DUR-A-SEAL U** can be applied at temperatures down to -10°C (14°F) providing no ice exists in or on the substrate.

**DUREX DUR-A-SEAL U** is not moisture sensitive. For best depth penetration it is recommended that the sealer be applied when the substrate is surface dry.

**DUREX DUR-A-SEAL U** is also supplied with a catalyst to improve its performance when applied to carbonated concrete.

On exterior applications it is not advisable to apply the **DUREX DUR-A-SEAL U** if rain is expected within 12 hours.

#### **CLEAN UP & SAFETY:**

Until **DUREX DUR-A-SEAL U** has reacted with the substrate it is volatile, therefore no clean up is usually required.

**DUREX DUR-A-SEAL U** is flammable and all precautions necessary for the application of flammable sealers must be observed. There must be no smoking, no open flames, pilot lights, sparking motors, etc. in the vicinity. There must be adequate ventilation at all times. Care must be taken not to breathe the material as it is being applied; if necessary, use a mask which absorbs organic vapours or a fresh air mask. Goggles, gloves and other suitable safety equipment should

be worn. If spillage occurs on the skin, thoroughly wash the area with soap and water. Rinse eyes with water or eye flush solution for at least fifteen minutes - call a physician.

#### **STORAGE:**

Sealed containers (as received from manufacturer) of **Durex Duralox** may be stored in an environment with temperatures ranging from -18°C to 30°C for a period of up to two years.

#### **PACKAGING:**

Packaged in 22.5 litre pails (5 gal.) or 205 litre drums (45 gal.).

#### **WARRANTY:**

**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.

#### **TECHNICAL SERVICES:**

Technical assistance for unique applications and design is available upon request from **Durabond Products Limited**.

# DURabond

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