

PRODUCT DESCRIPTION:

DUREX DUR-A-SEAL A28 is a one component clear acrylic copolymer based on methacrylate resins.

USES:

DUREX DUR-A-SEAL A28 effectively seals brick, block and concrete against the ingress of water. It also has superior chloride screening capabilities which make it ideally suited to protect all but the high traffic areas of concrete structures such as parking garages and bridges. The **DUREX DUR-A-SEAL A28** clear coating is extremely resistant to weathering effects. It also provides a uniform and easy to clean surface for walls and floors. **DUREX DUR-A-SEAL A28** will 'breathe', that is, liquid water will not pass through the coating but water vapour can vent to the atmosphere from within the coated surface. This feature is essential on heated building and on structures in contact with earth or water.

DUREX DUR-A-SEAL A28 is resistant to a wide range of weak acidic and alkaline solutions. Good inter-coat adhesion allows for repair and re-coating after cleaning.

DUREX DUR-A-SEAL A28 has also proved to be a long term sealer for stone/concrete driveways and other low traffic areas.

CURING SCHEDULE:

DUREX DUR-A-SEAL A28 can be applied down to 10°C (50°F) with drying time being approximately 60 minutes. Drying time decreases with increasing temperature. At 25°C (77°F) drying time is approximately 30 minutes.

COVERAGE RATES:

DUREX DUR-A-SEAL A28 should be applied in two coats. Typical spreading rates are as follows:

Smooth dense concrete:
2.4 - 3.3 m²/litre (98 - 135 ft²/gal.)

Porous block or brick:
1.6 - 2.4 m²/litre (41 - 98 ft²/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

TECHNICAL DATA

Physical Properties:

Solvent base:	Xylol	Viscosity (cps):	20 sec/#2 Zahn
Solids:	28± 1%	Colour & Finish:	Glossy or Matte
Specific Gravity:	0.91		
Coverage:	Smooth concrete: 2.4-3.3 m ² /litre (98-135 ft ² /gal.)		
	Block or brick: 1.6-2.4 m ² /litre (41-98 ft ² /gal.)		

Performance Characteristics:

Hardness:	Pencil ultimate H Tukon 3.7
Flexibility:	1/8", 1/4", 1/2" mandrels, Scale 0-10 (0 = best) 1, 1, 1
Cross hatch adhesion:	Concrete No Failure Treated Aluminum No Failure Treated Steel No Failure
Salt Resistance:	Coated concrete slabs immersed under 5% Sodium Chloride. Cycled for up to 2 years, wet-dry. No adverse effect.
Alkali Resistance:	Calcium hydroxide solution. pH 12.6, 2 years. No effect (but really blonde).
Service Temperature:	-50°C to 80°C (-58°F to 176°F). Will withstand bakes up to 150°C with only marginal loss of flexibility.
Chemical Resistance:	Unaffected by weak solvents such as Mineral Spirits and Naphthas. Attacked by aromatic solvents and ketones. Unaffected by weak alkalines and resists weak mineral spirits.

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MOISTURE PROTECTION
ACRYLIC WATER REPELLENT

SURFACE PREPARATION:

Surfaces to be treated must be dry, clean and sound, free from ice, snow, dew and frost and all dust, dirt, oil, grease, paint, and other deleterious materials detrimental to a positive bond.

Substrate must be of uniform texture for best final appearance. Normally, concrete surfaces are lightly sandblasted prior to application.

MIXING & APPLICATION:

DUREX DUR-A-SEAL A28 must be stirred thoroughly, especially the matte version, to disperse flattening agents throughout the resin. Stir frequently during use. Do not dilute. Apply evenly in two coat application using brushes, rollers, or spray equipment. First coat must be tack-free before applying subsequent coats. Materials should be applied by trained personnel.

DUREX DUR-A-SEAL A28 can be applied at temperatures down to 10°C (50°F). A special formulation can be supplied to allow application down to 0°C (32°F)

DUREX DUR-A-SEAL A28 is moisture sensitive and must be applied on a dry substrate.

CLEAN UP:

Use **Durex 'Cleaning Solvent'**. **CAUTION:** This solvent is flammable so there must be no open lights, flames sparking motors or pilot lights in the vicinity. Smoking near the solvent is to be forbidden. All equipment must be cleaned immediately after use.

SAFETY AND TOXICITY:

DUREX DUR-A-SEAL A28 is flammable and all precautions necessary for the application of

flammable sealers must be observed. There exists a potential explosion hazard. Use protective clothing, rubber gloves, splash guard goggles and required breathing apparatus. If material is splashed into eyes, wash out for at least 15 minutes, until irritation ceases. If irritation continues, see physician immediately. When pouring liquid, attach static line (battery jumper cable) from pouring container to receiving container. No source of ignition should be present (i.e. sparking motors, switches, open flames, pilot lights, cigarettes etc.)

STORAGE:

Keep containers cool, dry and out of direct sunlight. Ventilate storage area to prevent build-up of vapours. Shelf life is two years.

PACKAGING:

Packaged in 22.5 litre pails (5 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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