

PRODUCT DESCRIPTION:

DUR-A-SEAL A50 is a pigmented one component acrylic copolymer based on methacrylate resins.

USES:

DUR-A-SEAL A50 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. Pigmented coatings are extremely resistant to weathering effects.

DUR-A-SEAL A50 provides durable protection of concrete balconies, exterior walls, exterior of water towers and any concrete or masonry structure where uniform colour and easy clean surfaces are required.

DUR-A-SEAL A50 will allow the structure to breathe, a feature which is essential on heated buildings and on structures in contact with earth or water. It can be readily re-coated, after cleaning, should damage occur.

CURING SCHEDULE:

DUR-A-SEAL A50 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. Allow 3 hours before foot traffic on balconies etc.)

COVERAGE RATES:

DUR-A-SEAL A50 should be applied in two coats. Typical spreading rates are as follows:

- Smooth dense concrete: 3.7 - 4.5 m²/litre (151 - 183 ft²/gal.)
- Gunité surfaces ,porous block or brick: 1.7 - 3.1 m²/litre (69 - 126 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
Solids: 50± 1%
Specific Gravity: 1.11

Viscosity (cps): 640
Colour & Finish: Semi Matte, Off White, Grey (custom colours available with 255 litre orders)

Coverage: Smooth dense concrete: 3.7-4.5 m²/litre (151- 183 ft²/gal.)
 Gunité surfaces, porous block or brick: 1.7-3.1 m²/litre (69-126 ft²/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.
Service Temperature: -50°C to 80°C (-58°F to 176°F)

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MOISTURE PROTECTION
ACRYLIC WATER REPELLENT

TECHNICAL DATA (CONT'D.)

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.
Colour Retention:	Both acrylic resin and pigments are designed for maximum colour retention. Automotive grade pigments are employed. Only treated fumed silica flattening agents are employed to maximize water screening and to keep pigment binder ratio low. exposed at Toronto, Halifax and Calgary for up to 10 years in a range of colours. No noticeable colour fading, chipping or flaking. There is a dulling of films due to slight chalking.

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:

DUR-A-SEAL A50 must be stirred thoroughly to disperse pigment 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.

DUR-A-SEAL A50 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)

DUR-A-SEAL A50 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:

DUR-A-SEAL A50 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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