

# Monoseal EX

High performance, high solid acrylic based floor and wall sealer



## DESCRIPTION

Monoseal EX is a high performance high solid floor and wall sealer, dust-proofer and curing compound based on solvent borne acrylic resin.

The high solid content in Monoseal EX makes it ideally suitable to provide a highly durable sealing layer over decorative plasters, masonry surfaces, stamped concrete and concrete floors in light to medium duty trafficable areas at indoor and outdoor areas.

Monoseal EX is also used as a curing compound for freshly placed concrete to retain sufficient moisture to ensure full hydration of the cement while providing excellent adhesion to a variety of plasters and coatings.

Monoseal EX used as "look enhancer" of natural stone and decorative plasters and coatings.

## ADVANTAGES

- » Durable finish that seals concrete and natural stone surfaces preventing penetration of oils and liquids.
- » Dustproof.
- » Abrasion enhancement.
- » Improves concrete and mortar curing by protecting the cement hydration.
- » Excellent adhesion to all types of plasters and coatings, such as cement, acrylic, bitumen, emulsion and epoxy resin based products.
- » Easy application.

## STANDARDS

Monoseal EX complies with ASTM C309, Type I, Class A and B, and ASTM C1315, Type I, Class A.

## METHOD OF USE

### SUBSTRATE PREPARATION

The substrate must be sound, clean, dry, even, dense and free from oil, grease dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. Areas contaminated with oil or grease, should be treated with hot compressed air.

## TECHNICAL PROPERTIES:

Colour:	Clear (can be coloured upon request)
Specific gravity:	0.95 ± 0.05
Solid content:	36 ± 2%
Tack-free time:	40 - 60 min
Foot traffic:	≈ 4 hr
Minimum over-coating time:	2 hr
Bond strength on C25/30 concrete: ASTM D4541	≥ 2 MPa @ 7 days (concrete failure)
UV resistance:	Excellent
Water loss: ASTM C156	≤ 0.4 kg/m <sup>2</sup> @ 72 hr (Pass)
Curing efficiency: BS 7542	≥ 75%
VOC: ASTM D2369	≈ 700 g/ltr

## COATING

### Old concrete:

Apply using brush or lambs wool roller, or airless spray machine. Apply two coats of Monoseal EX onto old concrete floors at a rate between 8 - 10 m<sup>2</sup>/litre.

### New concrete:

Monoseal EX should be applied as soon as possible to the fresh concrete, provided that the surface water has evaporated. For use as curing compound, apply in a single coat at a rate of 8 - 10 m<sup>2</sup>/litre. The second coat is optional.

Monoseal EX, in general, comes as a clear liquid. However, for some special cures, it can be coloured. Clear Monoseal EX cures to clear glossy film. It is a UV stable, and after curing, it gives a wet look (colour enhancer) on substrates.

### Notes:

- » For coloured sealer avoid applying under direct sunlight.
- » Monoseal EX cannot prevent the underlying substrate from yellowing if the substrate itself tends to yellow after exposure to UV light or sunlight.

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# Monoseal EX

## CLEANING

Clean tools and equipment using DCP Solvent. Remove dried Monoseal EX mechanically.

## PACKAGING

Monoseal EX is available in 5, 25 and 200 litre drums.

## COVERAGE

The coverage rate is 8 - 10 m<sup>2</sup>/litre, depending on the concrete porosity.

*Note: It is advisable to avoid overspreading of Monoseal EX on substrates.*

## STORAGE

Store in a dry area out of direct sunlight at temperatures between 5°C and 35°C.

## SHELF LIFE

Monoseal EX has a shelf life of 12 months from the date of manufacture if stored in proper conditions and unopened packs.

If these conditions are exceeded, contact DCP Technical Department for advice.

## CAUTIONS

### HEALTH AND SAFETY

Monoseal EX should not come in contact with skin and eyes. In case of accidental splashes to the eyes, rinse thoroughly with clean water and seek medical advice.

Wear suitable protective gloves and goggles. Do not use a solvent to clean Monoseal EX from the skin.

For further information, refer to the Material Safety Data sheet.

### FIRE

Monoseal EX and DCP Solvent are flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

*Flash Point:*  
DCP Solvent: 37°C.

### MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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