

Monoseal

High solids acrylic floor and wall sealer and curing compound



DESCRIPTION

Monoseal is a high solids acrylic based floor and wall sealer. Monoseal is dustproof, resistant to penetration of oils and liquids and is easy to clean. The product is ideal for use in warehouses, garages, car parks, drive ways and sidewalks, walls and columns and industrial floors.

Monoseal is also used as a curing compound and sealer 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 can be 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.
- » Dust proof.
- » 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.
- » Cost effective.
- » Available in clear colour, and can be coloured upon request.

STANDARDS

Monoseal complies with ASTM C309, Type I, Class A and B, and ASTM C1315, Type 1, Class A.

METHOD OF USE

SUBSTRATE PREPARATION

Old concrete

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.

SURFACE PREPARATION

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 @ 25°C (CLEAR COLOUR):

Colour:	Clear, can be coloured upon request
Density:	0.92 ± 0.05 g/cm ³
Solids:	25 ± 2%
Viscosity: Brook field	1 ± 0.5 poise
Tack free time:	40 - 50 min
Foot traffic:	4 hr
Time between coats:	2 - 36 hr/clean substrate
Bond strength over C25/30 concrete: ASTM D4541	≥ 2 MPa (concrete failure)
UV Resistance:	Good
Moisture loss after 72 hr: ASTM C156	≤ 0.4 kg/m ² (pass)
Water retention efficiency: BS 7542	> 90%
VOC: ASTM D2369	≤ 700 g/ltr

COATING

Apply using brush or lambs wool roller, or airless spray machine. Apply 2 coats of Monoseal onto old concrete floors at a rate between 8 - 10 m²/litre.

New concrete

For use as curing compound, apply in a single coat at a rate of 4 - 8 m²/litre. Second coat is optional.

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

Note: For coloured sealer avoid applying under direct sunlight.

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Monoseal

CLEANING

Tools and equipment can be cleaned with DCP Solvent. Dried Monoseal should be removed mechanically.

PACKAGING

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

COVERAGE

The coverage rate is 8 - 10 m² per litre, depending on concrete porosity.

Note: It is advisable to avoid over spreading of Monoseal on substrates.

STORAGE

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

SHELF LIFE

Monoseal has a shelf life of 18 months if stored in unopened packs and under proper conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Monoseal 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.

Suitable protective gloves and goggles should be worn. Do not use solvent to clean Monoseal from skin.

For further information refer to the Material Safety Data Sheet.

FIRE

Monoseal 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.

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- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
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- » 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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