

MONOSEAL

High solids acrylic floor and wall sealer and curing compound



TECHNICAL DATA SHEET PUBLISHED JUNE 2020

PRODUCT FEATURES

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.

STANDARDS

MONOSEAL COMPLIES WITH ASTM C309, TYPE I, CLASS A & B, AND ASTM C1315, TYPE 1, CLASS A

MATERIALS SUPPLIED

5 , 25 and 200 litre drums.

STORAGE

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

SHELF LIFE

12 months if stored in unopened packs and under proper conditions.

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.

TECHNICAL INFORMATION

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

APPLICATION INSTRUCTIONS

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

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.

CLEANING

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

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

GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

Don Construction Products Ltd Hawthorn House, Helions Bumpstead Road,
Haverhill, Suffolk CB9 7AA, UK T: +44 (0) 1440 766360

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.

www.dcp-int.com

 expertise

 quality

 full range