

Setseal 6

Acrylic concrete curing membrane and sealer



DESCRIPTION

Setseal 6 is a single component, ready to use acrylic resin based concrete curing compound designed to impregnate concrete surfaces, combining the benefits of a curing aid, dust-sealer and hardener.

Setseal 6 produces a thin membrane to the concrete surface, which protects the construction from rapid evaporation, making it less prone to crack.

Setseal 6 impregnates into the concrete surface and seals micro cracks, aiding to create a dust-free concrete surface with minimum maintenance requirements. Setseal 6 increases surface abrasion and resistance to dirt, water, oils, and other chemicals.

Rapid evaporation increases surface tension, often causing surface flaking and cracks in the concrete floor. The loss of water during this process leads to unreacted cement on the surface, resulting in efflorescence and a reduction in the concrete's compressive strength.

Setseal 6 is used with dry shake floor hardeners Monoshake and TIBMIX range to construct high quality dust-free and abrasion resistant industrial concrete floors. Setseal 6 can also be used to cure plain concrete.

STANDARDS

Setseal 6 complies with EN 1504-2, Principles 1.2 and 5.2.

METHOD OF USE

MIXING

Stir Setseal 6 before use.

APPLICATION

New concrete

Setseal 6 should be applied immediately after power floating or finishing the concrete surface, ensuring all excess surface water has evaporated before application. Setseal 6 can be applied using a brush, roller or spray at the recommended coverage rate. In conditions where drying is severe, a second coat may be applied after 2 to 3 hours.

Old concrete

The surface must be clean, dry and free of oil or any other contaminants. Setseal 6 should be applied with a brush, roller or spray following the recommended coverage rate. A second coat can be applied after 6 hours.

TECHNICAL PROPERTIES:

Colour:	Clear liquid
Curing efficiency:	> 60%
Drying time @ 20°C:	
Tack free	4 hr
Hard dry	24 hr
Application temperature:	5 to 30°C
Permeability to water vapour:	Class I
EN ISO 7783-2	
Capillary absorption and permeability to water:	< 0.1 kg/m ² .h ^{0.5}
EN 1062-3	
Adhesion strength by pull-off test:	≥ 1.5 MPa
EN 1542	
Slip resistance:	Class II
EN 13036-4	
Depth of penetration:	≥ 5 mm
EN 1504-2	
Abrasion resistance:	≥ 30% when applied at a rate of 5 m ² /litre
EN ISO 5470-1	
1000 g, 1000 cycles	
H-22 wheel	
Impact resistance:	20 N.m
EN ISO 6272-1	Class III

WORKING CONDITIONS

Application range 5°C to 30°C.

Do not apply in external situations where rain is likely to come into contact with the uncured Setseal 6.

CLEANING

Tools and equipment can be cleaned with soaped water when wet. Dried Setseal 6 should be removed with DCP Solvent.

PACKAGING

Setseal 6 is available in 18 litre and 25 litre containers and 200 litre drums.

Don Construction Products

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COVERAGE

The recommended coverage rate for Setseal 6 is 5 to 10 m²/liter per coat, depending on substrate quality, absorption and material loss.

STORAGE

Setseal 6 has a shelf life of 12 months from date of manufacture if stored in dry areas out of direct sunlight and temperatures between 5°C and 35°C.

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

CAUTIONS

HEALTH AND SAFETY

Setseal 6 should not come into contact with eyes or the skin. In case of inhalation or accidental ingestion, remove the affected person to fresh air, drink plenty of water and seek medical attention.

In case of contact with eyes, flush with clean water (at least 15 minutes) and seek medical attention. The material may cause an allergic reaction.

The use of gloves, respiratory protection and safety glasses is recommended. Adequate ventilation should be ensured during application.

For further information refer to the Material Safety Data Sheet.

FIRE

Setseal 6 is flammable. Ensure adequate ventilation. Do not place or use near naked flame and do not smoke during use. Do not leave the material in direct sunlight.

Flash Point:

Setseal 6: 40°C.

DCP Solvent: 37°C.

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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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