

# Setseal 6

Multi-purpose concrete curing compound



## 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 tensions – a common reason for surface flaking and cracks in the concrete floor. Escaped water increases the amount of unreacted cement, leading to surfaced efflorescence and reduced compressive strength of the construction.

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 and maintains the anti-static characteristics of the concrete surface.

## STANDARDS

Setseal 6 complies with EN 13813 and EN 1504-2.

## METHOD OF USE

### MIXING

Stir the Setseal 6 before use.

## APPLICATION

After the finishing trowelling, Setseal 6 should be spray applied to the fresh concrete as soon as possible, but within 12 hours (concrete surface still moist), and provided no dirt, dust or bleed water is present. Complete coverage is best achieved by holding the spray nozzle at 450 mm (knee-high) from the concrete surface. Maintain even, fine spray and avoid slops.

In hot weather or in case of extreme worksite conditions (high ambient temperatures, dry-ness of the air, surface draught, excessive air movement, etc), normal application rate may be increased by up to 30% (increase gradually by monitoring the effects).

## TECHNICAL PROPERTIES:

Colour:	Clear liquid
Adhesion strength:	≥ 1.5 MPa Class B1.5
Capillary water absorption and watertightness:	< 0.1 kg / m <sup>2</sup> .h <sup>0.5</sup>
Coefficient of degree of drying:	> 10% Class II
Tensile adhesion compared to non-impregnated test piece	≥ 1.0 MPa

Cured concrete surfaces may require diamond grinding to facilitate proper bonding with tiles, epoxy or PVC-coatings.

## APPLICATION RATE

Depending on the finish (roughness) of the concrete surface, 1 litre of Setseal 6 will cure 10 - 12 m<sup>2</sup> i.e. 1 m<sup>2</sup> uses 0.08 litre (in winter) and 0.10 litre (in summer) of material. Exceeded application rate will produce slops and may lead to slippery finish.

## CLEANING

Wet tools and equipment can be cleaned with soap and water. Dried Setseal 6 should be removed with solvent.

## PACKAGING

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

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## 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.

The material does not lose any of its designed properties for at least 24 months if stored properly in its unopened containers.

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

## CAUTIONS

### HEALTH AND SAFETY

Setseal 6 contains Xylene which evaporates and is classified harmful. The material should not come into contact with skin, eyes, or food.

In case of accidental inhalation or ingestion, move to fresh air, drink plenty of water and seek immediate medical advice. In case of accidental contact with skin or eyes, rinse with plenty of water (at least 15 minutes) and seek immediate medical advice. The material could produce allergic effects. Proper safety measures must be maintained working with harmful materials or chemicals – use gloves, respirators, protective goggles, visors, or masks. Ensure adequate ventilation during application and take breaks during extended applications.

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.

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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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