



**water-based concrete mould
release agent for casting standard
concrete and geopolymers**

Advantages

Repel® 26 is water-based –

health, safety and environmentally responsible
not a DG, not combustible mild odour – no diesel smell
colour uniformity with pigmented concrete low skin and eye irritation
suppresses high flammability of polystyrene and kraft paper formwork

Repel® 26 is useful for concrete casting against a wide variety of moulds including steel, fibreglass, ABS, silicone, EPS and kraft paper –

better release from plastic and plastic-coated moulds
protects paints and plastics without softening or swelling
advantages for porous moulds including expanded polystyrene and kraft paper –

- no solvents, so forms retain integrity and dimensional stability
- impregnates EPS and kraft paper leaving a waxy coating which retains dampness and prevents damage to moulds by stopping attack by concrete water
- stops immediate charring and collapse of EPS by flame or hot surfaces
- fast application by simple immersion, brush or spray

Repel® 26 works well with highly alkaline concrete including geopolymers

Application and Preparation

General precaution

Vibration should be minimized because with prolonged vibration, fresh concrete tends to cut through any mould coating. In general, users are advised to consider consolidating mouldings with minimum surface bug holes by a combination of modest vibration of concrete compounded with an air entrainment agent and superplasticizer.

Repel® 26 is easy to apply –

by spray, brush or cotton cloth similar viscosity summer and winter
stable indefinitely when undiluted may be diluted with low-salts* water
coverage 6 – 20m² per litre depending on application
users should experiment to find the optimal film thickness to give reliable release with little or no curtaining or residues and no build-up on repeated applications
application as a very fine spray coating is preferred
wipe out edges and corners to remove all visible off-white material – excess will tend to leave undercured dark crumbling soft edges and corners

Preparation of surfaces –

Surfaces contaminated with petroleum or vegetable oil should be well cleaned before applying. Wash with hair shampoo or good detergent in water, then rinse well.
Wash waters containing Repel® 26 may be reused in concrete mixtures.

**Low-salts water means water with no more than 80 parts per million of total dissolved salts. 80ppm = 80 mg/litre*

Designed and manufactured by

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