



special purpose 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
colour uniformity with pigmented concrete
suppresses high flammability of polystyrene and kraft paper formwork
mild odour – no diesel smell
low skin and eye irritation

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

Repel® 26 is useful as an anti-adhesive for vehicles and equipment in concrete batching plants. Spray at start of shift, then hose off concrete overspray at the end of the shift.

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
stable indefinitely when undiluted
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
similar viscosity summer and winter
may be diluted with low-salts* water

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

Berryessa Pty Ltd
2/74 Morrow Road,
Lonsdale South Australia 5160
www.berryessa.com.au
richard@berryessa.com.au
0408 656946