



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 – 20m<sup>2</sup> 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**

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