

## Spray On Top Surface Retarder for Construction Joints

### DESCRIPTION

**TOPTARD** has been formulated as a blue aqueous liquid designed to be spray application on the top face of horizontal cast concrete.

**TOPTARD** produces an exposed aggregate finish suitable for keying construction joints or to enable excellent bonding of subsequent coatings or toppings.

### ADVANTAGES

- Easily spray applied onto fresh concrete surfaces with a plastic sprayer
- Coloured blue to assist with uniform application
- Uniform depth of retardation/exposed aggregate
- Accidental contact with reinforcement will not impair bond of reinforcement to concrete as reversion will occur .
- Non-staining, suitable for pre-cast or in-situ concrete.
- Water based environmentally friendly product with no flammable or toxic solvents present.
- Alleviates the necessity of mechanical tooling/scabbling and eliminates the associated health risks.

### PROPERTIES

Appearance: Blue aqueous solution.

Freezing Point: 0°C

S.G. @ 15.5°C 1.05

### APPLICATION

**TOPTARD** should be spray applied using a plastic sprayer to fresh horizontally cast concrete at a rate of 3-5m<sup>2</sup>/ltr immediately after compacting with a wooden float, avoid using a steel trowel as this may seal the surface and negate the retarding action. Direct sunlight or high temperatures will also reduce the retarding time.

Avoid application to free standing/bleed water.

During curing period, protect treated surface from rain and frost. Once the bulk of the concrete has set, the retarded matrix should be removed by hosing/brushing to expose under-lying aggregate.

**Removal should take place between 8-20 hours.**

All equipment should be cleaned with water following application.

### COVERAGE & YIELD

**TOPTARD** should be spray applied by plastic pneumatic spray equipment at the rate of 3-5m<sup>2</sup>/ltr. The depth of exposure is governed by the cement content, w/c ratio etc. Trial casts should be assessed prior to use.

### LIMITATIONS

Certain concrete admixtures will hinder the retarding action, as will mix designs that contain OPC replacement such as GGBS, PFA and other Pozzolans, again evaluate prior to use.

### STORAGE & HANDLING

No special storage facilities needed.

Avoid freezing temperatures.

Spillages should be washed down to avoid slippery surfaces.

### PACKAGING & TRANSPORT

**TOPTARD** is supplied ready for use in plastic 25ltr and 200ltr containers. Do not dilute.

Not regulated for Road Transport

### HEALTH & SAFETY

Refer to separate safety data sheet. Copies available by request.

### QUALITY ASSURANCE

Direct Chemicals Ltd is a firm of assessed capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by QMS International PLC. Products are manufactured under quality assured schemes

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