

CONCRETE SURFACE RETARDER FOR FORMWORK RETARDÉ M

TECHNICAL DATA

1.0 DESCRIPTION

RETARDÉ M is a solvent based paint-like liquid which when applied to formwork or moulds, prevents concrete poured against it from setting for up to 72 hours. This allows the retarded concrete to be removed by hose after the formwork has been stripped, resulting in an exposed aggregate finish.

2.0 PHYSICAL PROPERTIES:

2.1	Colour	Pale green
2.2	Specific Gravity	1.13
2.3	Flashpoint	26°C Flammable
2.4	Viscosity	Thick Liquid (Brushable)
2.5	Toxicity	Poisonous. Contains Xylene
2.6	D.G. Classification	3
2.7	Shelf Life	1 Year in sealed containers as supplied
2.8	Coverage	5 – 6m ² per litre

3.0 USES

- 3.1 RETARDÉ M is used to create a mechanical key on a concrete surface which is to have more concrete poured against it. An example of this is where RETARDÉ M is painted on stop ends which confine individual pours of a floor slab. When the stop ends are removed and the retarded concrete is washed off, the resultant exposed aggregate finish makes an excellent key for the next pour.
- 3.2 RETARDÉ M can also be used to create an architectural exposed aggregate finish on columns, beams, panels, pavers and any other formed concrete surface.

4.0 APPLICATION INSTRUCTIONS

- 4.1 RETARDÉ M may settle in storage. Stir before use.
- 4.2 RETARDÉ M should be applied to formwork by brush and allowed to dry before concrete is placed against it (about 2 hours). It is recommended that forms treated with RETARDÉ M be used within 10 days of application.
- 4.3 Steel moulds or formwork sealed with FORMSEAL only require one coat but dry absorbent timber may require a second coat.
- 4.4 RETARDÉ M is resistant to light rain but should be protected from heavy rain and direct sunlight.
- 4.5 Upon removal of the formwork, preferably within 72 hours, the concrete surface must be brushed and washed immediately with low-pressure water. Much of the unset surface mortar will stick to the form during the stripping operation. This soft mortar is easily removed by water jet and a stiff broom.
- 4.6 Multiple coats of RETARDÉ M increase the dry film thickness and depth of retardation. If unusual aggregate sizes are being used it is advisable to make preliminary tests to determine the correct depth of retardation.



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RETARDÉ M

TECHNICAL DATA Continued

- 4.7 RETARDÉ M is generally quite harmless, wear protective clothing, and avoid skin contact.
- 4.8 Accelerating admixtures, steam curing and hot weather all reduce the effectiveness of RETARDÉ M.
- 4.9 Protect from frost.

5.0 PACKAGING

RETARDÉ M is supplied in 20 litre pails.



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