Ezee™ VSR+

Concrete Surface Retarder For Vertical Surfaces

TECHNICAL DATA

1.0 DESCRIPTION

Ezee VSR is a water based gel for use as a concrete set retarder on vertical and horizontal formwork. It prevents concrete setting (curing) for up to 48 hours and to a retarded depth of up to 10mm depending on concrete strength. This allows the retarded concrete to be removed by hose and/or brush after the forms have been stripped, resulting in an exposed aggregate finish.

2.0 PHYSICAL PROPERTIES

2.1. Colour Off-white gel like paste
2.2. Specific Gravity 1.1
2.3. Flash Point ~40°C
2.4. Viscosity High, easily brushed out gel. Lower viscosity available. 2.5. Toxicity Harmful substance. Contains Methylated Sprits. 2.6.
D.G. Classification 3, UN 1993 Flammable Liquid, N.O.S.
2.7. Shelf Life Unlimited in original sealed containers as supplied 2.8. Coverage 5 - 6 m_2/litre surface dependent

3.0 USES

3.1. Ezee VSR 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 Ezee VSR 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. Ezee VSR can also be used to create an architectural exposed aggregate finish on columns, beam panels, pavers and any other formed concrete surface.

4.0 APPLICATION INSTRUCTIONS

4.1 Ezee VSR may develop flammable vapours if heated above 40°C. Apply in a well-ventilated area and avoid open flames. No smoking. Keep away from ignition sources. Store in a cool location (15 – 25 degrees C).
4.2 Apply by soft brush. Scoop out a quantity of Ezee VSR and paint out to an even coating. If necessary, a second coat can be applied after about 10 minutes. Allow to dry before pouring concrete.
4.3 Normal concrete placed at normal temperatures should be removed within 48 hours. High strength concrete or concrete placed at higher temperatures will not be retarded for as long and consequently should have forms stripped and retarded concrete removed within 24 hours or sooner as determined by testing the effectiveness of Ezee VSR with the proposed concrete mix.
4.4 Treated formwork will withstand a shower, but not heavy rain, as the Ezee VSR is soluble in water.

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4.0 APPLICATION INSTRUCTIONS (continued)

4.5 Upon removal of the formwork, preferably within 24 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 Ezee VSR increase the dry film thickness and depth of retardation. If unusual aggregate sizes are being used and/or high strength concrete, it is advisable to make preliminary tests to determine the correct depth of retardation.
4.7 Due to Methylated Spirits content wear protective clothing, and avoid skin contact. Refer to product safety data sheet for complete information.
4.8 Accelerating admixtures and hot weather all reduce the effectiveness of Ezee VSR. Check suitability of Ezee VSR performance with steam curing of concrete prior to widespread use.
4.9 Protect from frost.

5.0 PACKAGING

20-litre pails

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