

# CONCRETE SURFACE RETARDER RETARDÉ E

## TECHNICAL DATA

### 1.0 DESCRIPTION

RETARDÉ E is a concrete surface retarder which when applied to the surface of freshly poured concrete retards its set to a depth of 3 – 6mm while the underlying concrete hardens normally. The retarded concrete can then be brushed or washed off leaving aggregate exposed but firmly embedded.

**RETARDÉ E XTRA** is for concrete strength above 25MPa.

### 2.0 PHYSICAL PROPERTIES:

2.1	Colour	Red
2.2	Specific Gravity	1.06
2.3	Flashpoint	Non-flammable
2.4	Viscosity	Medium
2.5	Toxicity	Non-toxic
2.6	D.G. Classification	Non-hazardous
2.7	Shelf Life	12 months from date of manufacture in original unopened (sealed) container as sold by manufacturer
2.8	Coverage	5m <sup>2</sup> per litre

### 3.0 USES

3.1 RETARDÉ E is used to produce decorative and non-slip exposed aggregate finishes to in-situ and precast concrete. Areas of use include paths, driveways, swimming pool surrounds etc.

### 4.0 APPLICATION INSTRUCTIONS

- 4.1 Concrete to be treated should be screeded and lightly trowelled to an even finish. Use ER-921 evaporation retarder during finishing operations to help reduce moisture loss.
- 4.2 RETARDÉ E should be applied by spray (knapsack or airless type) brush or roller. Apply evenly after all free water has disappeared from the concrete surface and before the concrete starts to set. Avoid puddles. To create a mechanical key at construction joints, use ETCHING FLUID.
- 4.3 RETARDÉ E will slow down the set of the surface concrete for up to 24 hours at normal temperature. Remove retarded concrete within this period by hose and/or brush. Sun and shade on the treated concrete can vary the effectiveness of RETARDÉ E – avoid variations in temperature across the treated area. If necessary due to temperature and wind, remove retarded concrete sooner.
- 4.4 For decorative exposed aggregate, lightly scrub the surface while washing with low pressure water. To remove any cement residue from the surface, wash with diluted MISTIC ACID. After 14 days, coat with HARDCOAT exposed aggregate sealer (refer HARDCOAT data sheet for details).

# RETARDÉ E

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## TECHNICAL DATA Continued

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### 4.0 APPLICATION INSTRUCTIONS (continued)

- 4.5 If the surface is not removed during the retarded period the concrete will set and reach ultimate strength. Use RETARDÉ XTRA on concrete strengths above 25MPa and/or where high early age strengths are expected.
- 4.6 CAUTION: DO NOT apply RETARDÉ E to any surfaces other than the concrete to be retarded as staining or discolouration of these surfaces may occur.
- 4.7 DO NOT allow retarded concrete or any concrete wash water to enter waterways or stormwater system. Wash water or retarded concrete should be directed onto an area of ground close to the work area, where the alkaline water is absorbed by the soil and neutralized by naturally occurring chemicals in the ground.
- 4.8 In the event of spillage or contamination, wash thoroughly with water. Refer to product label and product safety data sheet for additional information.
- 4.9 Note when transferring RETARDÉ from the original container to any other container, including spray equipment or application container, it is vital that the container RETARDÉ is being transferred into is thoroughly clean. Wash the empty container/spray equipment with a dilute (50/50) bleach and water solution, then rinse well with clean water before filling with RETARDÉ. Failure to do so may cause contamination and subsequent bacterial degradation of the RETARDÉ and may affect its performance.
- 4.10 Under no circumstances should unused RETARDÉ that has been transferred into another container or (application equipment) be poured back into the original RETARDÉ container as this may cause contamination and subsequent bacterial degradation, rendering the original material unusable. Stratmore will not accept responsibility for product spoilage resulting from failure to comply with these instructions.

### 5.0 PACKAGING

RETARDÉ E and RETARDÉ XTRA is supplied in 4 litre, 20 litre and 210 litre containers.



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