

CONCRETE CURING COMPOUND FRACURE EMULSION

TECHNICAL DATA

1.0 DESCRIPTION

FRACURE EMULSION is a synthetic water based emulsion. When applied to newly poured concrete FRACURE EMULSION quickly dries to form a tough long lasting wear resistant film with low water vapour permeability. By reducing evaporation from the concrete surface, the water necessary for cement hydration is maintained. This allows the maximum development of compressive and tensile strength in the finished concrete and results in a more durable surface with lower permeability.

2.0 PHYSICAL PROPERTIES:

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| 2.1 | Colour | Milky White (dries to a transparent film) |
| 2.2 | Specific Gravity | 1.1 |
| 2.3 | Flashpoint | Non Flammable |
| 2.4 | Viscosity | Low (sprayable) |
| 2.5 | Toxicity | Non toxic |
| 2.6 | D.G. Classification | Non Hazardous |
| 2.7 | Shelf Life | 1 Year in unopened containers as supplied |
| 2.8 | Coverage | up to 7m ² per litre |

FRACURE EMULSION is also available in a formulation that meets ASTM C309-97 when applied at 5m² per litre (conformance testing completed by BRANZ)

3.0 USES

- 3.1 FRACURE EMULSION is suitable for use on all concrete surfaces made from Portland and other hydraulic type cements. All exposed elements of a structure subject to water loss due to evaporation should be cured. These include floor slabs, columns, beams, walls, precast panels etc.
- 3.2 FRACURE EMULSION is compatible with most paint finishing systems and having good U.V. and alkali resistance, will remain sound during construction until such finishes are applied. Do not apply solvent-based products over FRACURE EMULSION.
- 3.3 Being non-toxic FRACURE EMULSION is suitable for use on potable water retaining structures.

4.0 APPLICATION INSTRUCTIONS

- 4.1 FRACURE EMULSION can be applied by brush, roller or spray. Application tools must be free of any other previously applied material. Aim for an even film and avoid pinholes which can allow undesirable moisture loss. Uniform application is best obtained by spraying half the recommended quantity in one direction over the whole work and the remainder at right angles.
- 4.2 Apply to exposed concrete surfaces as soon as the sheen of moisture brought to the surface by final screeding or towelling has disappeared, but while the concrete is still damp. If brushes are used and the concrete is still wet enough to be marked by the brush it is too early to apply the curing compound. This timing is important for satisfactory curing.
If a delay is unavoidable moisten the concrete by light spraying until the surface will not readily absorb more water, allow the sheen to disappear and apply FRACURE EMULSION.



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Products for Concrete and Construction

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TECHNICAL DATA Continued

- 4.3 Do not apply FRACURE EMULSION to dry concrete.
- 4.4 Saw cuts should be treated with FRACURE EMULSION immediately after cutting as significant moisture loss can occur in these areas. Check for compatibility with joint sealants, if they are to be used.
- 4.5 For curing previously boxed columns etc, spray with water as soon as formwork is removed and then apply FRACURE EMULSION.
- 4.6 Clean up equipment with water and detergent before product dries. Keep sprayer nozzles dipped in water between spraying operations, then clean completely once finished.

5.0 PACKAGING

20 litre pails and 210 litre drums.



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