

# CONCRETE CURING COMPOUND FRACURE

## TECHNICAL DATA

### 1.0 DESCRIPTION

- 1.1 FRACURE is a synthetic hydrocarbon resin in solvent. When applied to newly poured concrete FRACURE quickly dries to form a film with low water vapour permeability. By reducing the rate of evaporation, the water necessary for hydration of cement is maintained in the concrete. During the early curing period, this allows the maximum development of compressive and tensile strength and results in more durable finished concrete with lower permeability and less shrinkage.
- 1.2 Under the action of weathering, sunlight and the abrasive action of traffic over the concrete surface, this film becomes brittle and dusts off after about four to six weeks exposure and will not then interfere with adhesion of subsequent coatings.
- 1.3 FRACURE curing compound has lower water vapour permeability than PVA. emulsion compounds and is therefore more effective. FRACURE breaks down faster than wax based compounds allowing application of subsequent coatings and is less expensive than chlorinated rubber based compounds.

### 2.0 PHYSICAL PROPERTIES:

- |     |                     |   |
|-----|---------------------|---|
| 2.1 | Colour              | Amber   |
| 2.2 | Specific Gravity    | 0.85  |
| 2.3 | Flashpoint          | Flammable   |
| 2.4 | Viscosity           | Low (Sprayable)                                   |
| 2.5 | Toxicity            | Harmful Substance (contains White Spirit)         |
| 2.6 | D.G. Classification | 3 (Flammable liquid, UN 1993)                     |
| 2.7 | Shelf Life          | 2 years in unopened sealed containers as supplied |
| 2.8 | Coverage            | 6 – 7m <sup>2</sup> per litre                     |

### 3.0 USES

- 3.1 FRACURE is suitable for use on all concrete types. All exposed elements of a structure subject to water loss due to evaporation will be improved. These include floor slabs, columns, beams, walls, precast panels etc.

### 4.0 APPLICATION INSTRUCTIONS

- 4.1 FRACURE can be applied by brush, roller or spray. 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 to the original coat.

# FRACURE

---

## TECHNICAL DATA Continued

---

### 4.0 APPLICATION INSTRUCTIONS (continued)

- 4.2 Apply to exposed concrete surfaces as soon as the sheen of moisture brought to the surface by final screeding or trowelling 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.
- 4.3 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. For curing previously boxed columns etc, spray with water as soon as formwork is removed and then apply FRACURE.

### 5.0 PRECAUTIONS

- 5.1 Use with good ventilation and wear PPE when applying. FRACURE is a flammable liquid. Keep away from sparks, heat, naked flames. Do not smoke, eat or drink during application. Store securely and in accordance with HSN0 regulations. Read product labels before use.
- 5.2 DO NOT apply FRACURE to dry concrete.
- 5.3 Avoid thick applications, especially to rough broomed concrete, otherwise breakdown and removal is difficult. Aim for a light, transparent coating – DO NOT over apply. If FRACURE is over applied and areas of FRACURE remain after 4 – 6 weeks exposure to weather, then these areas may need to be removed by physical means. Check application rates during application and avoid puddling; brush out any puddles before FRACURE dries.
- 5.4 When used on interior surfaces not subject to normal weathering and traffic during construction, film breakdown will be delayed and may only breakdown due to the action of traffic. Any loose residue remaining before painting should be removed as far as possible by wire brushing or for larger areas, use a mechanical floor scrubber fitted with a synthetic abrasive pad.
- 5.5 Before applying FRACURE, check to ensure that there are no compatibility issues with subsequent floor coatings (if any are to be applied).
- 5.6 Clean up equipment with mineral turps.
- 5.7 Refer to product safety data sheet for handling, storage and first aid information.

### 6.0 PACKAGING

20 litre and 210 litre drums.



Leading solutions for construction.

The information contained in this data sheet, is to the best of our knowledge accurate and any recommendations or suggestions which may be made are without liability on our part, since the conditions of use are beyond our control. Users are urged to make their own assessment of our products under their own conditions and for their own requirements. Stratmore Construction Solutions Limited reserves the right to alter formulations without notice. Properties as stated were determined under controlled laboratory conditions. This data sheet may be updated without notice. Please ensure you have the latest copy. If you are a customer, then any contract with you is in accordance with our latest terms and conditions, which are available to download from our website. Where goods are acquired for business purposes, Parts 1 to 4 of the Consumers Guarantee Act 1993 will not apply. To the maximum extent permitted by law, we have no liability (whether statutory, in contract or tort, including negligence) to buyers, users or specifiers of our products for any physical, direct or indirect damage, economic loss or any other loss or costs caused or contributed by us or any of our agents or employees in respect of any goods or services supplied. Also to the maximum extent permitted by law, all conditions and warranties expressed or implied by statute or common law, equity, trade custom or usage or otherwise howsoever are excluded. If, notwithstanding the foregoing, Stratmore Construction Solutions Limited is found to have any liability, then it is agreed that the liability is nevertheless limited to the price of the relevant goods or services purchased from us.