

# SOPRA Cure WB

## Water Based Concrete Curing Compound

### Description

**SOPRA** Cure WB is a water based concrete curing compound based on an emulsion. On application, **SOPRA** Cure WB creates a regular and continuous film on the fresh concrete surface preventing evaporation of the gauging water. The dry film provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage.

### Uses

- \* Retain moisture in concrete for effective curing.
- \* General concreting applications.
- \* Large area concrete surfaces, such as airport runways, roads and bridgeworks.

### Advantages

- \* Improves curing of concrete and provides a more durable concrete.
- \* Protects fresh concrete surfaces against rainfall.
- \* Improves surface quality, reducing permeability, producing a hard - wearing, dust free surface.
- \* Water based, non-flammable and economical product.
- \* Minimises potential for surface cracking and shrinkage.

### Standards Compliance

ASTM C 309-94, Type 1, Class A

### Packaging

20 litre pails or 210 litre drums.

### Storage

12 months storage life when stored in original containers in cool and dry place, should be sheltered from frost.

### Properties

Form	Liquid
Appearance	Milky white
Specific gravity @ 25 °C	1.01
pH @ 20 °C	6.5
Coverage, m <sup>2</sup> /l	5-6

### Application Instructions

The minimum application temperature is 5°C. **SOPRA** Cure WB should be stirred before use to ensure even dispersion of the ingredients. **SOPRA** Cure WB should be spray applied to the surface of fresh concrete. Application should begin immediately after the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface. Cross apply twice for adequate curing.

After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be walked on before it is fully dry and care should be taken to ensure that the film is not broken.

**SOPRA** Cure WB may be applied to the surface of newly hardened concrete immediately after demoulding. In such cases the concrete surface must be damp and not dry.

### Handling Precautions

Avoid close spraying with pressure on fresh concrete.

#### **Cleaning & Disposal**

Spillages of SOPRA Cure WB should be hosed down with large quantities of water or absorbed onto fine sand and disposed of in accordance with local legislation.

#### **Over Coating and Removal**

SOPRA Cure WB will be slowly removed by physical abrasion in normal traffic or exposure to UV light. Breakdown of the film commences after about 30 days. To ensure complete removal use high pressure steam, water jet or light sand blasting. SOPRA Cure WB must be removed from a concrete surface before application of a subsequent coating to ensure a good bond of the overcoated material to the concrete.

#### **Limitation**

SOPRA Cure WB should not be continuously recirculated in high shear pumps because this may cause a breakdown of the emulsion. If continuous recirculation is necessary, the sprayer should be fitted with a low shear diaphragm pump.

#### **Precautions**

##### **Health and Safety**

SOPRA Cure WB is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

#### **Technical Support**

SOPRA provides on-site assistance and consulting services on projects when requested. Technical data sheets on other SOPRA products and guidance on their use are available on request.

#### **Warranty**

SOPRA products are guaranteed against defective materials and manufacture and sold subject to SOPRA standard terms and conditions of sale. Whilst SOPRA endeavours to ensure that any advice, information or recommendation given is correct, the company can not accept any liability either directly or indirectly arising from the use of its products, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. SOPRA policy is one of continuous improvement and the company reserves the right to change its products without prior notice.