



C 20

Concrete curing compound

DESCRIPTION

C 20 is a spray or brush applied concrete curing compound based on liquid emulsion. It is used on fresh poured concrete or immediately on removing of shutters of cast concrete. It forms a thin layer and seals the concrete surface preventing moisture evaporation and ensures full hydration.

USES

C 20 is an economical alternative in situations where availability of potable water and/or accessibility for efficient water curing is difficult or unreliable. Suitable for use on all concrete surfaces, such as: flyovers & bridges, airports aprons, dams, chimneys etc. Ideally suitable for curing localized concrete repair areas.

FEATURES

- Single component
- Largely reduces drying shrinkage cracks
- Improved durability
- Toxic free and biodegradable
- Reflects UV rays
- One time application: reduced labour cost
- Complies as per BS 7542: 1992 standard.

PHYSICAL PROPERTIES

C 20	@ 27 ± 1°C
Appearance	White liquid emulsion
Specific Gravity	0.98 - 1.02
pH	9 - 10
Curing efficiency	> 90%
VOC Content	9.7 g/L

COVERAGE ESTIMATES

Pack size	Coverage
5 litres	Approx. 6m ² /litre
20 litres	
200 litres	

APPLICATION INSTRUCTIONS

The preferred and generally used equipment is a sprayer commonly used in horticulture or pest control. C 20 should be stirred well before use. While spraying, nozzle of the spray should be held approx. 450mm from the concrete surface and should be passed back and forth to maintain uniform coverage.

A) Fresh poured concrete on horizontal surfaces:

C 20 is spray applied as soon as the initial surface sheen has disappeared, typically 2 hours after placing.

B) Formed or precast concrete (vertical surfaces):

Immediately on de-shuttering, hose the concrete surface with clean water to remove any traces of shuttering oil. C 20 should be spray applied as soon the formwork has been removed.

SUBSEQUENT SURFACE FINISHES

Once the membrane is formed it will remain on the concrete surface until it eventually deteriorates. The time of breakdown is dependent on various factors such as film thickness, degree of exposure to weathering & UV light, foot traffic and porosity of substrate. Wherever required for subsequent coatings/finishes it is important that the complete removal of the C 20 membrane is ensured through light wire brushing or other mechanical means.

LIMITATIONS

The product should not be applied in temperature less than 10°C. Keep in airtight container to prevent surface evaporation.

CLEANING

Immediately after use, clean the spray equipment with fresh water. Nozzle may be cleaned by white spirit or similar fluid if blocked with wax particles

STORAGE AND SHELF LIFE

C 20 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

PRECAUTIONS

During mixing and application the following precautions should be observed: Ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL/SPILLAGE

Spillage of the product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and

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Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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