



Vetocure XT425

Water based concrete curing compound

Uses

- Retaining moisture in concrete after pouring.
- Allowing concrete to cure efficiently as required by concreting practice.
- General concrete curing application such as concrete slabs, retaining walls, runways, bridges, pavements...etc.

Product Description

Vetocure XT425 is a single component concrete and cementitious substrates curing compound, the product is an environmentally friendly water-based product and biodegradable. Vetocure XT425 when first applied to a fresh cementitious surface; the emulsion breaks to form a continuous, non-penetrating white coating which dries to form a continuous clear film which provides a barrier to moisture loss, ensuring more efficient, cement hydration, improved durability and reduced shrinkage. A white colored version of the product is also available.

Advantages

- Easy to use single component directly from the container.
- Biodegradable.
- Non-flammable.
- Minimizes cracking potential.
- Improved curing and cement hydration.
- Sprayable.
- Cost effective application.

Standards Compliance

Vetocure XT425 complies with:

- ASTM C309
- AASHTO M148 as Type 1D

Technical Data

Vetocure XT425	Typical Values
Appearance	White & clear emulsion
Density @ 20°C	0.98 kg/Ltr approx.
Chloride content	Nil
Application rate	7-9 m ² / L

Usage Instructions

Application

Minimum application temperature: 5°C

Vetocure XT425 white should be stirred before use to ensure even dispersion of the pigment.

Vetocure XT425 should be spray applied to the surface of fresh concrete. Application should begin immediately the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface.

The spray nozzle should be held approximately 450 mm and inclined at 35° to 45° from the concrete surface and passed back and forth to ensure complete coverage. The fugitive white color during application provides a guide to the area covered. Pump pressure should be maintained to give an even, fine spray.

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.

Vetocure XT425 may also be applied to the surface of newly hardened concrete immediately after de-molding. In such cases the concrete surface must be damp and not dry. Dry surfaces may prevent correct film formation and cause absorption of the Vetocure XT425 which may lead to staining and difficulty in later removal.

Coverage rate

The recommended coverage rate is between 7 - 9 m²/liter. Coverage rates outside this recommended range may be used if necessary and suitable to meet specific requirements. Contact local Saveto office or representative for advance in such cases.

Equipment

Spray equipment producing a fine mist without damaging the emulsion may be used for Vetocure XT425. The suitability of equipment should be ensured by an application trial.

Equipment cleaning

Spray equipment should be cleaned immediately after use by flushing through with water. If spray nozzles become blocked with wax particles these may be easily cleared with water.

Over-coating and removal

Vetocure XT425 must be removed from a concrete surface before application of a subsequent coating to ensure a good bond of the over coated material to the concrete. Vetocure XT425 will be slowly removed by physical abrasion in normal trafficking or exposure to UV light. To ensure complete removal use high pressure steam, water jet or light sand blasting.

Limitations

Vetocure XT425 should not be continuously re-circulated in high shear pumps in concrete train or similar applications as this may cause a breakdown of the emulsion before spraying. If continuous re-circulation is necessary, the sprayer should be fitted with a low shear diaphragm pump. Specifications calling for resin or solvent based curing membranes can be met using Vetocure XT427.

LEGAL DISCLAIMER

Saveto endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Saveto has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Coverage
Vetocure XT425	20 Liter Pail & 200 Liter Drum	7 - 9 m ² /Liter

Storage

Vetocure XT425 has a minimum shelf life of 12 months, 6 months for pigmented grades, provided the temperature is kept within the range of 5°C to 35°C. Freezing and prolonged exposure to heat or direct sunlight should be avoided. Should the temperature of the product fall outside this range then the Saveto Technical Service Department should be contacted for advice.

Containers should be kept sealed and airtight to prevent loss of moisture by evaporation.

Health & Safety

Vetocure XT425 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes either in bulk or spray form.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data sheet available for this product.

Vetocure XT425 is water based and non-flammable.

Cleaning and disposal

Spillages of Vetocure XT425 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation.