



Vetocure XT425

Water-based concrete curing compound

Uses

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

Product Description

Vetocure XT425 is a single-component curing compound for concrete & cementitious substrates. The product is environmentally friendly, water-based, and biodegradable. When Vetocure XT425 is first applied to a fresh cementitious surface; the emulsion breaks to form a continuous, non-penetrating white coating, which dries to form a seamless clear film that provides a barrier to moisture loss, ensures more efficient cement hydration, improve durability, and reduce shrinkage. The product is also available in White.

Advantages

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

Standards Compliance

- ASTM C309 as Type I (Clear), Type II (White Pigmented), Class A

Technical Data

Vetocure XT425	Typical Values @ 25 °C
Appearance	White & clear emulsion
Density (kg/liter)	Clear : 0.98
Chloride content	Nil

Usage Instructions

Application

The minimum application temperature is 5°C.

Make sure Vetocure XT425 is stored before use to ensure even dispersion of the pigment.

Vetocure XT425 should be applied to the surface of fresh concrete using a spray. Begging the application immediately after the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface.

Hold the spray nozzle approximately 450 mm away from the surface and make sure it's inclined by 35° to 45°. Pass it back and forth to ensure complete coverage. The escaping white color during the application provides a guide to the area covered. Maintain pump pressure to give an even, fine spray. After spraying, no further application of water or other material is necessary.

The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. Don't subject the film to pedestrian traffic until it's fully dry (also, ensure that the film is not broken).

Vetocure XT425 may also be applied to the surface of newly hardened concrete immediately after demolding. 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. If the request for coverage is outside the recommended coverage rate to meet the specification requirements, contact your local Saveto office.

Equipment

Use a spray to produce a fine mist without damaging the emulsion. Ensure the suitability of equipment by an application trial.

Equipment cleaning

Clean spray equipment immediately after use by flushing through with water. If spray nozzles become blocked with wax particles, clean them with white spirit.

Over-coating & Removal

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

Limitations

Vetocure XT425 should not be continuously recirculated in high shear pumps (in a concrete train or similar applications) as this may cause a breakdown of the emulsion before spraying it.

If continuous recirculation is necessary, the spray 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 following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously 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 Jerry Can 200 Liter Drum	7 - 9 m ² /Liters

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage.

Shelf Life & 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 to 35°C.

Avoid freezing and prolonged exposure to heat or direct sunlight. Should the temperature of the product fall outside this range, you should contact Saveto's technical service department. Keep containers sealed and airtight to prevent loss of moisture by evaporation.

Health & Safety

Vetocure XT425 is water-based and non-flammable. It 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 attention. If swallowed, seek medical attention immediately - do not induce Vomiting. For more information, consult the Material Safety Data Sheet for this product.

Cleaning and Disposal

Spillages of Vetocure XT425 should be absorbed into sand, earth, or vermiculite & 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 legislations.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.