

## Description:

TechnoFinish® ConKure 201 –WB is a water based curing compound formulated from selected emulsified paraffins to form a low viscosity wax emulsion. TechnoFinish® ConKure 201 –WB is supplied as a white liquid which forms a wet white film when applied to concrete surfaces. This dries to form transparent film which retains sufficient moisture in the concrete to ensure full hydration of the cement, which is essential for optimum strength development.

TechnoFinish® ConKure 201 –WB is applied to fresh concrete surfaces to form a fast dry, thin flexible and tough, impervious membrane which protects the concrete from rapid water evaporation during initial curing stages, thereby assisting towards obtaining maximum strength, durability, assists in the retention of water during hydration and helping towards the elimination of shrinkage cracks and surface dusting.

Additionally, the membrane acts as a primer system for many subsequent surface finishes that do not rely on penetration for substrate bond. When applied to floors, the TechnoFinish® ConKure 201 –WB seals and dustproof the surface, eliminating the primary source of abrasion while enhancing durability. TechnoFinish® ConKure 201 –WB is available as a clear translucent liquid and is also available as white solar reflective version.

## Usage:

- As a spray applied membrane to retain moisture in concrete for effective curing.
- Suitable for all general concreting applications and of particular benefit for large area concrete surfaces, such as airport runways, roads and bridgeworks.

## Features & Benefits:

- Eliminates the need for water.
- Single application.
- Promotes a harder dust free surface.
- Cured film is clear and water repellent.
- Reduces drying shrinkage.
- High curing efficiency.
- Reduced labour costs.
- Water based.
- Solar reflective.

## Instructions for use:

### Surface preparation

New Concrete- Application to freshly placed concrete should not begin until the surface is free from water, and should not commence at all if bleed water is apparent. TechnoFinish® ConKure 201–WB should be applied as soon as practically possible after removal of shuttering, and whilst the concrete surface is still damp. However, any traces of laitance, grout runs or loose material should be removed.

### Mixing

TechnoFinish® ConKure 201 –WB should be gently stirred immediately prior to use to ensure uniformity of the material as applied.

### Application

TechnoFinish® ConKure 201 –WB should be spray applied as evenly as possible to the freshly placed concrete. For horizontal surfaces the TechnoFinish® ConKure 201 –WB should be applied as soon as the initial surface sheen has disappeared from the concrete face. In the case of formed concrete, the TechnoFinish® ConKure 201 –WB should be applied immediately on removal of the formwork. To assist breakdown of the TechnoFinish® ConKure 201 –WB film on the vertical and formed surfaces, it is essential to dampen down the concrete with clean water prior to application. applied uniformly by brush, roller or spray, with no overlap of applications. Under standard site conditions, a single coat of TechnoFinish® ConKure 201 –WB applied at a uniform rate of 4 to 5m<sup>2</sup> per Kg/litre. In case of sealing and dustproofing application, 2 coats at the above range must be applied.

The second coat should be applied at coverage of 10-12m<sup>2</sup> per Kg/ litre. The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken.

### Spray equipment

Motorised or knapsack spray equipment, which produces a fine spray, is recommended for use with TechnoFinish® ConKure 201 –WB.

### Cleaning

Spray equipment should be cleaned immediately after use by flushing through with water. Any residual traces of resin which are left in the nozzle may be cleaned with warm water.

### Typical Properties at 25°C:

Form	Liquid
Colour	White Liquid and is also available in clear translucent liquid version.
Flashpoint	Not applicable
Finished film appearance	white solar reflective, tack free, water repellent
Water retention (ASTM 309)	Pass
Drying time (ASTM C309)	3 hours
Standards	ASTM C309 Type 2 Class A

## Packaging:

TechnoFinish® ConKure 201 –WB is available in 20, 30 & 210 Kg drum.

## Coverage:

~5m<sup>2</sup> per Kg/litre. Coverage figures quoted TechnoFinish® ConKure 201–WB are indicative; and based upon application to fresh or damp concrete at the appropriate time. This corresponds to that at which TechnoFinish® ConKure 201 –WB has been tested, and at which it attains the claimed degree of curing efficiency. In favorable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates. When using TechnoFinish® ConKure 201 –WB for floor areas where maximum chemical and wear resistance is required, it is recommended that a further coat be applied after 24 hours. In place of the above recommendations, the rates of cover stipulated in a specification should at all times be observed. Care should be taken to ensure that the concrete is indeed ready to accept the curing membrane.

## Shelf Life & Storage:

When stored in warehouse conditions below 35°C, TechnoFinish® ConKure 201 –WB has a minimum shelf life of 12 months. Freezing and exposure to heat and/or direct sunlight should be avoided. Containers should be kept sealed and airtight to prevent any reduction in shelf life. Film Breakdown

The time for deterioration of the membrane is dependent on a number of variables, which include film thickness, degree of exposure to weathering, traffic, UV light, and the porosity of the substrate concrete.

## Cleaning:

All tools, equipment and surrounding areas must be cleaned with water before the product sets. Hardened materials have to be mechanically removed.

## Precaution & Limitations:

- Do not dilute or add any water at the time of application of TechnoFinish® ConKure 201 –WB
- TechnoFinish® ConKure 201 –WB should only be applied within the temperature range of >5°C and <45°C.
- Any concrete surfaces which receive treatment with TechnoFinish® ConKure 201 –WB should not be disturbed until the concrete has gained sufficient strength to bear surface loading.
- TechnoFinish® ConKure 201 –WB should not be exposed to moving water, or rain, during application or before it has become tack free.

## Health and Safety instructions:

Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended.

Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

**Additional Information:** Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

\*Separate datasheet are available on these products.

**Disclaimer:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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