

PRODUCT DESCRIPTION

PlekoCure WE is a single-component, cost-effective wax emulsion-based curing and sealing compound designed to form a membrane that effectively retains moisture in concrete, promoting full cement hydration. This ensures optimal strength development and a cleaner, dust-free surface. Its low-viscosity wax emulsion incorporates a special alkali-reactive system that breaks upon contact with fresh cementitious surfaces, forming a continuous, non-penetrating layer. As it dries, it creates a uniform film that acts as a barrier against moisture loss, improving cement hydration, durability, and reducing shrinkage. Available in both clear and white-pigmented grades.

USES

PlekoCure WE is primarily spray applied on newly cast concrete and cementitious surfaces to effectively retain moisture for optimal curing. Ideal for general concreting applications.

It is particularly beneficial for large surface areas such as high-rise construction, water tanks, airport runways, roads, bridgeworks, roof decks, and floor slabs.

APPROVED SUBSTRATES

Can be used on concrete and cementitious surfaces.

PACKAGING

20kg or 200Kg in plastic drum

COVERAGE

4 to 5 m²/L

Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques.

PROPERTIES

- **Improved Curing**
- **Minimizes surface cracking and shrinkage**
- **Effective moisture retention**
- **Continuous, non-penetrating protective film**
- **One component, Easy to use**
- **Promotes a harder dust-free surface**
- **Improved Durability**
- **Suitable for Internal & External use**
- **Non-toxic, Non Flammable**

TECHNICAL DATA

| Version | Clear | White |
|---------------------------|--|--|
| Appearance | Milky white liquid, dries to form a transparent film | Milky white liquid, dries to form a white film |
| Bulk Density (Kg/L ± 0.5) | 0.985 | 0.995 |
| Application Temperature: | Minimum 5°C | |
| Compliance | ASTM C309 Type 1 | ASTM C309 Type 2 |

INSTALLATION

MIXING

Mix thoroughly until uniform consistency taking special care to avoid excessive up and down motion with drill and blade.

SUBSTRATE PREPARATION

Surface must be sound, clean, dry, free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form

release agents and curing compounds. All porous surfaces should be presoaked with clean water prior to application.

Exposed steel reinforcements should be treated by adequately removing any corrosion and protected by epoxy coating then allowed to dry.

APPLICATION

Spray PlekoCure WE onto freshly laid concrete or cementitious topping to avoid rapid evaporation of water. Do not apply if bleed water is forming, or is present on the concrete surface. In the case of formed concrete, the product should be applied immediately on removal of the formwork.

Apply multiple passes of fine spray to completely cover surface. Pump pressure should be maintained to give an even, fine spray. For floor areas where maximum chemical and wear resistance is required, it is recommended that a second coat be applied after 24 hours.

Once application is completed, no additional water or materials are needed for continued curing. The concrete surface should remain undisturbed until it has gained sufficient strength to support surface loads. The applied film must be allowed to dry completely before walking on it, and care should be taken to avoid damaging the film.

Overcoating and removal

PlekoCure WE must be removed from concrete surfaces before applying any coatings to ensure proper adhesion to the substrate. Over time, it will gradually wear away due to physical abrasion from normal traffic or exposure to UV light. For thorough removal, high-pressure steam, water jetting, or light sandblasting should be used.

LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Do not allow to freeze. Do not

apply to substrates which are wet from dew or rain. Must be protected from rain and freeze until hardened.

CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use.

STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature between 4°C (40°F) and 38°C (100°F), in tightly sealed original container. Storage time must not exceed one year.

HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust. For detailed information refer to relevant material safety data sheet.

The product is non-flammable

Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. We reserve the right to change any given specification without notice.