

Curecon PW - Smartwax

Fast drying, shower resistant Class A
Water based wax curing compound

DESCRIPTION

Curecon PW is a Class A water based wax curing compound used to retain moisture in concrete for effective curing. Used for all concrete but specifically designed for use in mass concrete structures such as roadwork, bridgework, civil construction and runways.

Curecon PW Smartwax dries rapidly and becomes resistant to wash off in about 15 minutes after application.

ADVANTAGES

- Non-flammable; non toxic
- Rapid film formation
- Shower resistant at 15 minutes
- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces
- Low VOC formula
- Meets Green Star rating – complies with Office Design V3 – IEQ13
- Eliminates the need for sand, damp hessian or polythene
- Increases concrete strength and dusting resistance

DESIGN CRITERIA

The coating should be applied at a coverage rate of 5m²/litre. To achieve the correct curing properties and moisture retention according to AS3799, Curecon PW must be applied at the above stated coverage rates.

Curecon PW Smartwax contains a pink fugitive dye to ensure uniform application is achieved. Curecon PW dries to a clear film on the concrete surface.

TYPICAL PROPERTIES	
Colour	Light pink milky liquid
Viscosity	0.13 Pa.s
Specific Gravity	0.95-1.0
Drying time on concrete	Approximately 15-20 minutes at 25°C.
After this time Curecon PW will be shower resistant, and will resist re-emulsification and consequential removal.	

TYPICAL PROPERTIES (cont.)

Flash point	Not Applicable
Thinning	nil—use as supplied
Application equipment	low pressure spray (preferred) or soft 10-15mm nap roller
Coverage	5m ² /litre (0.2litres/m ²) using a spray applicator-do not brush
Clean up	Water when wet. Kerosene, fuel or Solvent 525 (allows re-emulsification with water) when dry

COMPATIBILITY

Curecon PW will darken slightly with age and UV exposure.

Curecon PW is not compatible with many hydrocarbon solvent based primers, water based coatings, tile and flooring adhesives and is NOT suitable for use on concrete roads which will be subject to line marking.

Compatibility tests should be undertaken and confirmed by testing in each and every case.

APPLICATION INSTRUCTIONS

Use Curecon PW as supplied – do not dilute.

Curecon PW should be evenly sprayed onto the surface over the freshly laid concrete as soon as possible after final trowelling. Ideally Curecon PW should be applied as soon as the surface bleed water has evaporated.

In all cases Curecon PW should be applied at a coverage rate not greater than 5m² per litre

Note: Aliphatic alcohol preparations used in the finishing process of the concrete surface will not interfere with the drying or bond characteristics of Curecon PW.

CLEAN UP

Application equipment, containers and contaminated surfaces should be cleaned immediately after use with water.

Dried Curecon PW may be softened with solvent preparations such as Solvent 525 which allows re-emulsification with water. Paint strippers based on

CLEAN UP (Cont.)

D-Limonene may also be effective in removing dried Curecon PW from equipment, containers or contaminated surfaces.

ESTIMATING

Curecon W is applied at the rate of 5m² per litre (0.2 litres per m²). Note that surface texture of the finished concrete can affect the apparent coverage rate of the applied coating of Curecon PW.

Curecon PW is supplied in 20 litre cubes, 200 litre drums and 1,000 litre IBC containers, or in bulk

PRECAUTIONS

Do not dilute Curecon PW. Use as supplied

Ensure that Curecon PW is thoroughly mixed before application commences. Regular mixing of the material during application is recommended.

Do not allow Curecon PW to freeze.

Where high or low temperatures are likely to be encountered, Type 2 or Type 3 versions of Curecon PW may be required. Contact ITLS Technical Services for advice in these circumstances

STORAGE

Curecon PW should be stored in the original unopened containers in cool, dry conditions.

Not classed as hazardous by ATDG Code.

Do not allow Curecon PW to freeze.

Curecon PW should be used within 12 months of date of manufacture. If the product has been stored for more than 6 months, particular care should be taken to ensure the product is thoroughly mixed before use.

HEALTH AND SAFETY

Curecon PW Smartwax is non-toxic.

When applying the product, always use suitable cartridge masks, avoid skin and eye contact.

Avoid breathing spray mist during application.

For more detailed information, please read the MSDS for this product.

TECHNICAL SUPPORT

ITLS manufactures a comprehensive range of high quality, high performance construction products. In addition, ITLS offers technical support and on-site advice to specifiers, end users and contractors.

Please contact your ITLS sales representative or ITLS Head Office for this service

ALLIED PRODUCTS

ITLS manufactures a broad range of products under the Aftek brand, which are used in the construction industry and in manufacturing, including:

- Grouts
- Coatings
- Admixtures
- Adhesives
- Sealants
- Floor Toppings
- Floor Levelling Compounds
- Concrete Repair
- Concrete Curing

The information and any recommendations relating to the application and end-use of all ITLS products are provided in good faith based on ITLS's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by ITLS. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.
PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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