

Curecon PW30

Water borne, Class A wax based curing compound

DESCRIPTION

Curecon PW30 is a Type 1-D, Class A, water based wax curing compound used to retain moisture in concrete for effective curing.

Formulated for use primarily in the construction of concrete roads, Curecon PW30 offers a high level of moisture retention - 97% efficiency for Type 1-D – thus ensuring efficient hydration of the cement component in the concrete mass.

In addition to its use in concrete road construction, Curecon PW30 is suitable for all use on all types of mass concrete structures where a high efficiency, wax based curing compound is suitable. This will include bridgework, airport hard standings, runways, truck parks, port facilities and more.

Curecon PW30 can also be supplied as Type 2 or Type 3 product, where site conditions dictate their use.

Curecon PW30 is certified to comply with Australian Standard AS3799.

ADVANTAGES

- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces
- Increases concrete strength and dusting resistance
- Efficient bond breaker in Lean Mix/Base Concrete road construction techniques.
- Eliminates the need for sand, damp hessian or polythene
- Shower resistant after about 1-4 hours
- Complies with Green Star rating
- Non-flammable; non-toxic

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 Australian Standard and various road construction specifications, Curecon PW30 must be applied at the above stated coverage rates.

Curecon PW30 contains a fugitive dye to ensure even coverage is attained. This dye evaporates after a short period of time leaving the dried Curecon PW30 as a transparent film.

TYPICAL PROPERTIES

Colour	Light pink milky liquid
Viscosity	>0.050Pa.s
Specific Gravity	0.95-1.0
Solids Content	30%
Flash point	Not Applicable
Drying time on concrete	Approximately 1 – 4 hours depending on ambient conditions
Coverage	5m ² /litre (0.2litres/m ²) using a spray applicator-do not brush
Application equipment	low pressure spray (preferred) or soft 10-15mm nap roller
Thinning	nil—use as supplied
Clean up	Water when wet. Kerosene, fuel or Solvent 525 (allows re-emulsification with water) when dry

APPLICATION INSTRUCTIONS

Use Curecon PW30 as supplied – do not dilute.

The coating should be evenly sprayed onto the surface over the freshly laid concrete as soon as possible after final trowelling. Ideally Curecon PW30 should be applied as soon as the surface bleed water has evaporated.

In all cases Curecon PW30 should be applied at a coverage rate not less 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 PW30.

COMPATIBILITY

Curecon PW30 will darken slightly with age and UV exposure. Curecon PW30 is not compatible with hydrocarbon solvent based primers and is NOT suitable for use on concrete surfaces that will be subject to line marking.

In situations where concrete that is cured with Curecon PW30 needs to have coatings or toppings applied, The Curecon PW30 film will need to be removed.

CLEAN UP

Tools and equipment can be cleaned with water while Curecon PW30 is wet.

Dried Curecon PW30 can be removed using proprietary paint strippers, Solvent 525 or by mechanical means.

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 PW30.

Curecon PW30 is supplied in 20 litre cubes, 200 litre drums and 1,000 litre IBC containers, or in bulk.

PRECAUTIONS

Do not dilute Curecon PW30. Use as supplied

Ensure that Curecon PW30 is thoroughly mixed before application commences. Regular mixing of the material during application is recommended.

Do not allow Curecon PW30 to freeze.

Where high or low temperatures are likely to be encountered, Type 2 or Type 3 versions of Curecon PW30 may be required. Contact ITLS Technical Services for advice in these circumstances

STORAGE

Curecon PW30 should be stored in the original unopened containers in cool, dry conditions. Store away from sources of heat or naked flame. Do not allow Curecon PW30 to freeze.

Curecon PW30 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 PW30 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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