Fosroc®
Concure® X90

Water based hydrocarbon resin curing compound

Uses

Concure X90 is suitable for curing all freshly laid concrete either smooth or textured. Concure X90 is most suited to external horizontal concrete such as roads and other large areas where the treated surface will be exposed to UV, enabling the curing compound to break down after serving its purpose.

Advantages

- Complies with Australian Standards AS3799
- Achieves water retention of 90% or greater
- Contains no wax
- Eliminates the need for curing by ponded water, damp hessian or polythene sheeting
- Reduces concrete dusting
- Reduces plastic shrinkage
- Equipment washable in water

Description

Concure X90 is a blend of resins and surfactants emulsified in water and is specially formulated to cure freshly laid concrete. The impervious film formed by Concure X90 prevents excessive water evaporation, promotes efficient cement hydration, minimises shrinkage whilst increasing durability of the concrete surface.

Standards Compliance

Concure X90 complies with the requirements of AS3799 - 1998: liquid membrane:

Concure X90 Clear: Class B, Type 1 curing compound

Concure X90 Dye: Class B, Type 1D (available in Red or Blue)

Concure X90 White: Class B, Type 2 (available as a Made to Order)

Copies of the test certificates are available on the Fosroc website.

Concure X90 also complies with TfNSW specification R83 requirements. Contact Fosroc for further details.

Design criteria

AS3799 requires materials to be applied in a single coat application at a coverage rate of 5m²/litre.

Application Instructions

Surface application

Apply Concure X90 to the concrete as soon as the bleed water has gone and the new concrete has hardened sufficiently so as not to be marked by the application process.

Apply Concure X90 undiluted at a rate of 5m² per litre.

Best applied by spray, however, may also be applied by brush, roller or broom.

Cleaning

Concure X90 should be removed from tools and equipment with water.

Properties

	Concure X90 Clear	Concure X90 Dye (Red or Blue)	Concure X90 White
Non-volatile content:	41.8%	33.70%	44.24%
VOC content:	86g / litre	86g / litre	86g / litre
Density:	0.983 kg / L	0.996 kg / L	0.990 kg / L
Drying time:	4 hours	4 hours	2.5 hours
Appearance:	Milky homogeneous liquid	Milky homogeneous liquid	Milky homogeneous liquid
Water retention efficiency:	93%	91%	95%
Viscosity:	0.23 Pa.s	0.07 Pa'.s	0.24 Pa.s
Stability of emulsion:	1.29%	1.08%	0.13%
Residue 150 micron:	0.1%	0.04%	0.2%
Application temperature:	10 - 35°C	10 - 35°C	10 - 35°C
Flash point:	84°C	84°C	84°C

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Limitations

Concure X90 Type 1 and Type 1-D will begin to break down after 14 days UV exposure indicated by the surface turning a charcoal colour. Providing the product has been applied at the specified application rates and subject to the degree of UV exposure, it will totally oxidise and leave the surface within 45 - 55 days of the application. This reduces the need for surface cleaning in preparation for after trades however high pressure water will assist in removal of any remaining product.

The white pigment in Concure X90 White, Type 2, does affect the oxidization rate of the resin once placed on the concrete surface. This may take a longer period to break down in sufficient UV and may require mechnical removal. The pigment may also discolour the concrete

Concure X90 will only break down if exposed to sufficient UV. Mechanical abrasion may be required to remove the product from internal or other areas which don't receive sufficient UV exposure during the break down period.

Supply

Concure X90 Clear 20 litre:	FC600804-20L
Concure X90 Clear 205 litre:	FC600804-205L
Concure X90 Clear 1000 litre (MTO):	FC600804-1000L
Concure X90 Red 20 litre (MTO):	FC600806-20L
Concure X90 Red 205 litre (MTO):	FC600806-205L
Concure X90 Red 1000 litre (MTO):	FC600806-1000L
Concure X90 Blue 20 litre (MTO):	FC600807-20L
Concure X90 Blue 205 litre (MTO):	FC600807-205L
Concure X90 Blue 1000 litre (MTO):	FC600807-1000L
Concure X90 White 1000 litre (MTO):	FC600808-1000L

Coverage

Concure X90:	5m² per litre

Storage

Concure X90 should be kept in original, unopened packs.

Store in cool, dry conditions, away from sources of heat in the original, unopened drums. If stored at high temperature conditions the shelf life may be reduced.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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