



HATCRETE

Cureseal

A coloured solvent based polymer cure and seal.

C1/SfB
(4-) Yu2 (G5)

TECHNICAL DATA

TD 14

COLOUR TECHNOLOGY FOR CONCRETE

DESCRIPTION

HATCRETE® Cureseal is a pigmented, solvent based, semi-opaque, acrylic resin polymer solution. It is an extremely hardwearing, penetrating, curing and sealing agent designed for application to coloured concrete surfaces. The product is colour matched to be used in conjunction with all HATCRETE® colouring and finishing products. HATCRETE® Cureseal controls the water retention of the underlying slab throughout the curing period to promote increased strength and durability.

HATCRETE® Cureseal is ideal for application to flat, uniform coloured concrete surfaces. It enhances the underlying colour and provides a hardwearing, low maintenance surface. For surfaces requiring a clear sealing coat, HATCRETE® Clear Sealer should be considered. For further information on this product refer to Technical Data Sheet TD13.

Coloured concrete surfaces must NOT be cured by standard methods such as plastic sheeting, hessian, waxes or similar products as these may have an adverse effect on the colour.

MAIN FEATURES

- Cures, seals and protects concrete.
- Reduces surface dusting.
- Optimises cement hydration.
- Colour matched to HATCRETE® products.
- Packaged in 20 litre metal drums.
- Colours are non-yellowing and weather resistant.
- Solvent based, acrylic resin polymer.
- Low gloss finish.

COVERAGE

The coverage rate of HATCRETE® Cureseal is approximately 6-10 square metres per litre, per coat depending on application method, surface porosity and ambient conditions.

PACKAGING

HATCRETE® Cureseal is supplied in UN certified 20 litre re-sealable metal drums.

AVAILABILITY

HATCRETE® Cureseal is normally made to order within 3 working days. Custom made colour options can usually be manufactured within 5 working days subject to approved colour match.

STORAGE

In keeping with most spirit based materials, HATCRETE® Cureseal should be stored in a cool, well ventilated environment, away from naked flames, direct sunlight and all other sources of ignition. It should be protected from high temperatures and should not be allowed to freeze. Some settlement may occur during storage therefore the product should be thoroughly mixed before use. Shelf life for this product when stored correctly is 12 months.

APPLICATION

HATCRETE® Cureseal should be MIXED THOROUGHLY immediately prior to use and should be used as supplied without thinning down. HATCRETE® Cureseal should be applied to newly placed concrete when all finishing operations have been completed and the surface water has evaporated. Care must be taken not to apply too early. As a guide, but dependent on atmospheric conditions, the surface will be ready to receive the first coat when the concrete is strong enough to be walked on safely without marring.

It should not be applied in temperatures below 5°C or above 25°C and should not be subjected to extreme temperatures until completely dry. If applied too early or to surfaces where condensation is likely to occur, or free standing water is present, the coating will not adhere correctly and may display reduced durability.

Application should ideally be by an airless sprayer but appropriate metal knapsack sprayers are satisfactory. HATCRETE® Cureseal may also be applied by brush or roller, although this may result in a less uniform finish and lower coverage rates.

Two coats should be applied, the initial coat as a cure and the second as a finish coat to seal the underlying surface.

During application, care should be taken to protect adjacent areas and equipment from overspray. The surface should be sectioned off to allow for accurate and easy coverage. HATCRETE® Cureseal should be applied in THIN, uniform coats. A wet edge should be maintained, but HATCRETE® Cureseal should not be allowed to puddle.

If there is a risk of early age plastic shrinkage cracking due to rapid drying conditions, such as concrete exposed to a drying wind, the first coat should be sprayed on as soon as the concrete surface becomes ready to accept the coating without risk of damage.

Before application of the second coat, the surface must be clean, dry and free from any oil, grease, dust or other deleterious materials.



CERTIFICATE NO. FM 27153

MANUFACTURED BY:

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The second coat should be applied after the first coat has completely dried. This will be a minimum of 8-24 hours depending on the ambient conditions. Application should be by the same method but, if possible at a 90o angle to the first coat. For optimum appearance, the second coat should be applied immediately before hand over of the project.

The surface must not be covered during or immediately after application of HATCRETE® Cureseal. If protection from other trades is essential, non-staining kraft paper may be used but must be removed overnight. If the surface is covered too soon, or the covering left on too long, the concrete may sweat and form condensation, preventing HATCRETE® Cureseal from drying and adhering correctly.

HATCRETE® Cureseal is also ideal for application to mature coloured concrete surfaces provided they are clean and have no free surface water. Due to its semi-opaque nature, HATCRETE® Cureseal will not completely cover blemishes or imperfections in the underlying surface and these should be rectified before subsequent applications of HATCRETE® Cureseal.

Under normal conditions, HATCRETE® Cureseal will be touch dry in 2 to 4 hours and fully dry after 24 hours. Care must be taken to protect the surface from water and all other contaminants during the drying and curing period. The floor may be lightly trafficked 24 hours after application of the second coat of HATCRETE® Cureseal and open to normal use after 72 hours, depending on the prevailing conditions. The floor should be tested before trafficking to ensure that the whole surface is completely dry.

MAINTENANCE

Further maintenance coats of HATCRETE® Cureseal can be applied periodically. It is not necessary to strip the existing HATCRETE® Cureseal unless build up of the coating thickness is a problem or the surface is severely marked. The surface should be thoroughly cleaned and dried prior to application. All blemishes and imperfections should be rectified before application. Failure to do this may result in poor adhesion, blemishes and reduced durability.

The floor should be tested before trafficking to ensure that the whole surface is completely dry.

EQUIPMENT CLEANING

All equipment should be cleaned thoroughly using a suitable solvent (xylene, cellulose thinners or similar). Flush sprayers and backpacks liberally. Always clean equipment in a well ventilated area.

SPECIFICATION CLAUSE

'For curing and sealing uniform, single colour surfaces, HATCRETE® Cureseal, manufactured and supplied by PICS Ltd Unit 2, Red Shute Hill Ind. Est. Hermitage, Nr Newbury, Berkshire RG18 9QL Tel: +44 (0) 1635 202224 Fax: +44 (0) 1635 202230, should be applied by airless sprayer in a matching colour in two coats at a rate of 6-10 m² per litre, per coat. The curing and sealing membrane shall be a coloured, solvent based, single component system. The manufacturer's current Technical Data Sheet TD14 must be referred to for full instructions before using this product. The manufacturer shall be a BSI registered company with accreditation to BS EN ISO 9002'.

HEALTH AND SAFETY

As with all chemical products care must be taken when handling and in use.

Before using HATCRETE® Cureseal please read Safety Data Sheet SD14 available from PICS Ltd. Keep away from children and animals.

PICS Ltd quality system is approved by the BSI and conforms to BS EN ISO 9002.

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