

# CCS DENSA-CON XF

March 2022

## DESCRIPTION

CCS Densa-Con XF is the X-Factor when it comes to concrete hardening and protection. This revolutionary new product formulation not only densifies, strengthens and hardens concrete but renders it highly resistant to oil, water and various other liquid spills whilst slightly enhancing the colour of the concrete.

CCS Densa-Con XF is also the X-Factor in all concrete polishing applications, as it achieves a higher level of gloss sooner with significantly less mechanical polishing steps required. CCS Densa-Con XF is innovative cutting-edge technology and will provide exceptional outcomes whether used for concrete hardening and protection or polishing.

## FEATURES

- Highly effective at penetrating into the pores and capillaries of concrete
- Enhances surface colour slightly
- Exceptional resistance to oil penetration and other liquid spills
- Does not leave residues or efflorescence after treatment
- Easy to apply and use low viscosity solution
- Water-based environmentally friendly formulation

## USES

- Polished concrete floors
- Interior and exterior concrete floors
- Industrial and commercial buildings
- Manufacturing plants
- Distribution centres/warehouses
- Workshops and car parks
- New and existing concrete

## PACKAGING

CCS Densa-Con XF is available in a 20 litre drum.

## COVERAGE RATES

Application rates vary considerably depending on the condition and porosity of the concrete and weather conditions. Dense, hard or new concrete will likely absorb less product compared to old permeable concrete which may absorb considerably more. Consumption rates therefore are expected to be between 5-25m<sup>2</sup> per litre, per coat.

## PREPARATION

Surfaces to be treated should be clean from all contaminants such as curing compounds, membranes and coatings that may obstruct the penetration of CCS Densa-Con XF. New concrete should be cured before use.

The surface to be treated must be dry prior to the application of CCS Densa-Con XF. If the concrete surface has been burnished or excessively trowelled a light grind or abrading of the concrete is recommended to open the surface (for maximum product penetration). Where the surface has been subject to acid treatment the concrete should be completely neutralised using copious amounts of fresh water and allowed to dry.

## APPLICATION

CCS Densa-Con XF can be applied with a low-pressure sprayer, mop or soft bristle brush or broom. The product should be uniformly flooded onto the surface with no areas of puddling. The densifier should remain on the surface as a wet liquid film for up to 10 minutes to ensure correct absorption occurs. If the first coat is rapidly absorbed into the surface a second coat should be applied immediately in a wet-on-wet application method. If the surface has dried out do not apply any further densifier. Any excess densifier should be removed from the surface after 10 minutes as this may dry and leave unnecessary residue on the surface which may only be removed by mechanical means. If a higher water-resistant outcome is required, the above wet-on-wet application can be performed repeatedly on the one occasion to ensure enough sealer is applied to the surface.

To achieve better penetration the sealer can be diluted at 1:1 with clean water before applying. More wet-on-wet applications may be required to ensure enough sealer is applied. A test should be conducted before application.

## APPEARANCE

After placement, the concrete may initially appear darker than the surrounding concrete.

As the product dries out, the concrete surface will gradually increase in hardness with a subsequent increase in gloss level.

## PRODUCT INFORMATION

Appearance: Colourless clear liquid  
Density: 1.0-1.1 g/ml  
pH Value: 10-11  
Solubility in water: Soluble In water.

## CLEAN UP

Clean all application tools with water.

## DRYING

Allow CCS Densa-Con XF to dry for approximately 4-6 hours for pedestrian traffic and 24 hours before subjecting the surface to vehicular traffic.

## PRECAUTIONS

CCS Densa-Con XF will not penetrate curing compounds. These must be removed prior to application.

CCS Densa-Con XF is not recommended as a curing compound.

During application, be sure to protect all metals, glass, paint, or brick surfaces. If accidentally over-sprayed, immediately wash the surface with clean water. CCS Densa-Con XF hardens the surface by penetrating and blocking the pores or capillaries of the concrete. There are many factors that determine the amount of surface hardening and the final outcome therefore it is recommended that a preliminary test be undertaken to determine the suitability of this product.

Do not apply the material in cold or freezing temperatures.

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**Note:** As CCS Densa-Con XF activates by mixing with the calcium hydroxide in the concrete, the product performance may be reduced when used over rain damaged or overworked concrete. This product cannot fix poorly finished concrete.

## STORAGE

CCS Densa-Con XF is an alkaline solution. Skin or eye contact should be avoided by wearing proper protection. The risk of vapour inhalation of this product is low, however, an air-purifying respirator should be worn if there is a risk of exposure to high vapour concentrations. Wash hands after handling. The sealer is best used within the use-by-date. The product should be kept in the treated original container under 25°C. The sealer should be used up as soon as the original container is opened. Keep this product away from aluminium surfaces. Keep out of reach of children.

## USER RESPONSIBILITY-PRODUCT SELECTION AND COMPATIBILITY

CCS warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended as long as it has been used and applied in accordance with the most current Technical Data Sheet from CCS.

In practice, differences in materials, substrates and actual site conditions require an assessment of product suitability for the intended purpose.

The user is responsible for checking the suitability of products for their intended purpose.

Further, combinations of products that form a total system are often required to service particular applications. Due to the multitude of products available to service an application, only products from the CCS system of products must be used in combination with this product to ensure it will be suitable for the purpose for which it is intended.

The product must also not be mixed or used in combination with any other product which is not a product supplied by CCS

**For further information consult the Safety Data Sheet and read the product label carefully before use.**

**Safety Data Sheets are available from [www.concretecoloursystems.com.au](http://www.concretecoloursystems.com.au) or by calling 1800 077 744.**

**Please note:** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses. To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear. Service or advice given by our staff should not amount to responsibility for the project - since the owner or their contractor (and not River Sands), is responsible for the procedures relating to the application of the product.