

Aliphatic alcohol evaporative retarder for plastic concrete to reduce shrinkage cracks

Uses

Concure AV is for spray applications onto the fresh surface of plastic concrete to greatly reduce cracking caused by unfavourable weather conditions.

Concure AV is useful in all types of flat concrete applications, whether plain or coloured, machine or hand finished, including stamped concrete.

Advantages

- Reduces and often eliminates the formation of shrinkage cracks in plastic concrete
- Gives superior finishing properties during unfavourable weather conditions
- Maintains a plastic and workable surface
- Prevents surfaces crusting

Description

Concure AV in its diluted form is a violet liquid dispersion of high fatty alcohols that forms a film on freshly placed concrete to reduce rapid water evaporation from the surface of the concrete.

Concure AV will not discolour the finished concrete or leave any residue. It minimises formation of surface efflorescence.

Technical Support

Fosroc offers a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Design Criteria

Concure AV is supplied as a concentrate which can be diluted with between 4 parts and 9 parts of clean water to 1 part of Concure AV. In very dry weather conditions a 4:1 dilution is recommended.

1 litre of undiluted Concure AV yields 5 litres of sprayable material (at 4:1 dilution) that covers approximately 50m² per application. The coverage rate may vary depending on the roughness of the concrete surfaces.

Specification Clause

Evaporation retarder

To reduce rapid evaporation of water from the surface of all freshly placed concrete apply Concure AV immediately after initial screeding. Concure AV is supplied by Fosroc and should be mixed and applied in strict accordance with the manufactures written instructions.

Properties

Data quoted typical for this product, but does not constitute a specification.

Appearance:	Violet coloured liquid
Specific gravity:	1.03 at 25°C
Colour:	Dries clear
VOC content:	186g / litre

Application Instructions

Concure AV must be shaken vigorously before and after the addition of water.

The recommended dilution rate is 1 part Concure AV to 4 to 9 parts water. For optimum performance of Concure AV a dilution rate of 1 : 4 is recommended.

Use normal hand or power spray equipment to apply as a fine mist to completely cover the concrete surface. Each application is important, and should be carried out after initial screeding. After the surface has been sprayed proceed with normal floating.

When working in extremely hot or dry conditions further applications of Concure AV should be made after each subsequent operation, such as wood floating and steel trowelling.

Cleaning

Spillage or overspray should be wiped off immediately then rinsed with water.

Stains can be removed with household type chlorinated bleach.

Limitations

Concure AV is not a curing compound as its function applies only to plastic concrete. Its use however will not affect the performance of subsequently applied curing compounds. After final trowel/finishing of the concrete, apply one of the Concure range of curing compounds.

Concure AV must be applied immediately after initial screeding and uniformly to produce a continuous film that will not form if the surface is very rough.

Concure AV should not be used when excessive bleeding is present or under conditions of high humidity.

Concure AV will not prevent plastic cracking caused by pouring directly onto hot absorbent sub-grades. In such cases, the sub-grades should be wet down or covered with impermeable sheeting.

Preferably mix only the amount of Concure AV required on a daily basis. If it is desired to use the Concure AV mixed on previous day shake or stir thoroughly before spraying.

Fosroc® Concure® AV

Supply

Concure AV 20 litre:	FC644444-20L
Concure AV 200 litre:	FC644444-200L

Coverage

Use after dilution with 4 parts of water to 1 part of Concure AV. 1 litre of undiluted Concure AV yields 5 litres of sprayable material that covers approximately 50m² (10m²/litre) per application.

Use after dilution with 9 parts of water to 1 part of Concure AV. 1 litre of undiluted Concure AV yields 10 litres of sprayable material that covers approximately 100m² (10m²/litre) per application.

The coverage rate may vary depending on the roughness of the concrete surfaces.

Storage

Concure AV has a shelf life of 18 months if kept in a dry store in the original, unopened packs.

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. Fosroc 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.