

General conditions

Cracks that are wider than 3 mm must be stuck over, covered with AEROSANA FLEECE or filled.

The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern. Perfect airtightness can only be achieved with a sealed AEROSANA VISCONN film.

Airless application

Airless diaphragm or piston pumps can be used. The throughput of this equipment should not be less than 1.8 litres/min. The recommended nozzles are: 210, 317, 519. The first digit of the nozzle designation specifies the spray angle in degrees ($\cdot 10$), the second and third digits represent the diameter of the nozzle in 0.0xx inches. Applications with detail features are sprayed using a 210 nozzle, while broad surface applications are carried out using a 519 nozzle.

The pressure is set to ensure a uniform spray finish that is free of streaks. If streaks are visible beside the spray area, increase the spray pressure.

If this does not help, clean or replace the filter. The optimal pressure is around 80-150 bar, depending on the nozzle used.

A mesh size of 60 is recommended for the pistol filter. Stir the material slowly and uniformly before spraying it. Flush the airless device once with clear water and then empty it fully before putting it into service.

Layer thickness and drying

Spraying should be carried out at a distance of approx. 20 cm from the subsurface. The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern. Application in a number of layers can be carried out without any need for drying periods between them. The required minimum layer thickness of 500 μm has been achieved when a seamless, slightly wavy, but non-running surface ('orange peel') is formed on the surface of AEROSANA VISCONN during the spraying process. Cracks and pores (up to 3 mm) in the subsurface must be closed with AEROSANA VISCONN by spraying over / flooding them to achieve perfect airtightness.

The thickness should be checked at various points across the entire sprayed surface using the measuring gauge immediately after the last layer of AEROSANA VISCONN has been applied.

AEROSANA VISCONN changes colour from blue to black when it dries. AEROSANA VISCONN white does not change colour.

The film is to be protected against moisture (e.g. rain) during drying.

Immediately after the spraying work has been completed, the airless device is to be cleaned on the outside with water and flushed a number of times until the flushing water is no longer visibly turbid – completely remove any residues of AEROSANA VISCONN. For additional information (e.g. operating instructions), contact the manufacturer of the airless device.

Protective equipment

If spraying is to be carried out at poorly ventilated locations, wear personal protective equipment consisting of a mask, protective glasses and gloves.

Application with a brush

All AEROSANA VISCONN products can be applied using a brush. To ensure efficient working, the width of the brush should be ≥ 50 mm. Check the minimum layer thickness of 500 μm using a measuring gauge.

Storage

If this product has been in storage for a longer period, water ($\sim 5\%$) can be mixed into it to achieve a consistency that is suitable for spraying. Do not dilute the material too much (risk of excessive flow and poor coverage of cracks). Closing the container in an airtight manner and covering it with a thin sheet will help to prevent drying out.

Tested for hazardous substances according to



The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Ecological Building Systems

For stockist information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com



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