

TECHNICAL DATA SHEET



AQUA ZERO™ PurCoat 200MS

1K Advanced Hybrid Polymer Waterproofing Membrane

DESCRIPTION

Aqua Zero™ PurCoat 200MS is a 1 part, UV resistant, solvent and isocyanate free, easy to apply, advanced hybrid polymer liquid membrane which is cured by the moisture on the surface and air. After curing it forms an elastic waterproofing membrane which has excellent crack bridging properties. It maintains its performance even at low temperatures. It is resistant to weather conditions. It is suitable for indoor and outdoor applications. It has excellent adhesion to various different surfaces. It can be applied on dry and even damp surfaces without primer. It can be paintable after application. It can be applied with brush, short hair roll, airless gun and notched trowel.



TECHNICAL DATA

	METHOD	DATA
Chemical Structure		Advanced Hybrid Polymer
Tack Free Time (hr)		1 hr
Full Curing Time (day)		7 day
Density (gr/cm3)	ASTM D792	1.44
Tensile Strength (Psi)	ASTM D638	>200
Elongation at Break (%)	ASTM D638	>300%
Hardness (Shore A)	ASTM D2240	30
Service Temperature		-4 to 176°F

KEY FEATURES

- ✓ 1 Component, UV resistant, indoor and outdoor membrane
- ✓ Easy to apply (brush, roller, airless gun)
- ✓ Crack bridging up to 5 mm
- ✓ Suitable for potable water
- ✓ Excellent resistance to weather conditions
- ✓ Primer-less applications

APPLICATIONS

- ✓ Concrete, ceramic, tile, wood, glass, polycarbonate, CTP, metal, stone, marble, brick, concrete slabs like various surfaces
- ✓ Connections of chimneys and ground, gutter repairs
- ✓ Balconies, terraces and roofs
- ✓ Repair of bitumen and slate membranes.
- ✓ Water tanks and pools
- ✓ Wet rooms. Under tiling applications

PRODUCT INFORMATION

Consumption (pound/ft2)	0.28-0.30 (1 layer)
Shelf Life	9 Months
Packaging (pound/set)	30 lbs (112 Gal.)
Colour	White and Gray

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SURFACE PREPARATION

Surface preparation must be done properly to achieve maximum efficiency of the waterproofing coating system. Surfaces must be clean, weak parts should be removed and surface defects such as voids must be fully exposed. Concrete and other cementitious substrates must have a minimum compressive strength of 25 MPa minimum pull off strength of 1.5 MPa. Any laitance present on the surface must be removed mechanically. Shot blasting is the preferred method. Release oil and other contaminants which may impair adhesion must be removed prior to the application of the primer. All kinds of cracks, gaps and segregations on the surface should be repaired with suitable epoxy or cement based repair mortars.

PRIMING

Aqua Zero™ PurCoat 200MS can be applied to dry and damp surfaces without primer.

APPLICATION

Aqua Zero™ PurCoat 200MS is ready to use liquid membrane. Water or any solvent should not be added before application. The product is packed in special aluminium packages. Package should be cut from the corner with cutters and poured onto the application surface and applied to the surface with brush, short hair roll or notched trowel. Application should be made in 2 layers. It is recommended to apply the floors in such a way that the application directions are perpendicular to each other. Consumption is 0.28-0.30 pound/ft² for one layer. It is recommended to reinforce large surfaces or areas with a risk of cracking on large application areas with geotextile after the application of the first layer. Second layer application is made on geotextile fabric. Waiting time between layers varies between 12-24 hours depending on temperature and humidity. Masking tape is used to ensure that the end points of the application surface are flat. The masking tapes should be removed after 10 minutes of application. In order to make the surface rough in application to be coated on the ceramic, before application of the top layer membrane, the surface is sprinkled with quartz sand.

SHELF LIFE & STORAGE CONDITIONS

Aqua Zero™ PurCoat 100PU should be stored between 41 to 86°F in dry conditions and places where there is no direct sunlight. Shelf life of the unopened original packaging is 9 months from manufacturing date.

SAFETY

Take precautions during application and use appropriate PPE including working clothes, gloves, mask, eye & face protection. Adequate ventilation of the working area is recommended. Keep products from sources of ignition. Refer to SDS sheet prior to use.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use, if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.