

TECHNICAL DATA SHEET

AQUA ZERO™ Prime 300

2K Moisture Tolerant Polyurethane Primer



DESCRIPTION

Aqua Zero™ Prime 300 is 2component, solvent free, polyurethane primer that has been designed to increase adhesion of waterproofing main coat to the substrate and to improve the surface levelling prior to applications.



TECHNICAL DATA

	METHOD	DATA
Chemical Structure		A: Polyurethane Resin B: Hardener
Solid Content (%)	ASTM D2697	100%
VOC Content (%)	ASTM D1259	0%
Pot Life (min)		20-30 min
Tack Free Time (hr)		3.5 hr
Light Pedestrian Traffic Time (hr)		24 hr
Full Curing Time (day)		7 day
Density (gr/cm3)	ASTM D792	1.35
Application Temperature		-50 to 95°F

KEY FEATURES

- ✓ 2 Component, solvent free, moisture tolerant
- ✓ 100% solid
- ✓ Low viscosity
- ✓ Odorless
- ✓ Excellent adhesion to concrete, metal and wood
- ✓ Easy to apply with brush or roller

APPLICATIONS

- ✓ It is specially designed to increase adherence and improve the surface leveling before waterproofing and coating applications

PRODUCT INFORMATION

Consumption (pound/ft2)	0.06-0.10 (1 layer)
Shelf Life	12 Months
Packaging (pound/set)	35 lbs (112 Gal.)
Colour	Transparent

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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. For new constructions, concrete should be allowed to dry for at least 28 days. Maximum air humidity should be 80% and appropriate primer should be applied over 4% surface moisture. (Not recommended to apply early in the morning)

PRIMING

Application surfaces has to be primed in order to achieve an even surface and good adhesion. Lightly spreading out with quartz sand 0.3 mm – 0.7 mm is recommended in order to get higher adhesion values.

Aqua Zero™ Prime 300 moisture tolerant polyurethane primer can be applied with a consumption of 0.06 – 0.1 pound/ft² on porous or non-porous surfaces

APPLICATION

Aqua Zero™ Prime 300 is a polyurethane primer consisting of 2 pre-dosed components. To prepare the product, mix component A (resin) for a few minutes and then pour component B (hardener) into the container of component A. Mix the 2 components together at least 3-4 minutes. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve a uniform dispersion of the hardener. It is recommended to let the mixture rest for a few minutes before the application, so that the entrapped air may escape. Apply an even coat of primer with a brush roller or airless spray in one layer. Apply 2 or more coats until the desired thickness is obtained. All primer to become tack free before applying the desired waterproofing and concrete protection system. Do not apply the primer on surfaces that are damp, wet or covered with frost. It is very sensitive to heat and moisture. Higher temperatures and high humidity will significantly accelerate the curing time and shorten the pot life. Low temperatures will extend the curing time.

SHELF LIFE & STORAGE CONDITIONS

Aqua Zero™ Prime 300 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 12 months from manufacturing date.

SAFETY

Avoid breathing vapours and contact with skin and eyes. 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.