



PRODUCT DESCRIPTION

ZURACOAT 300 is a breathable, water based aliphatic acrylate based elastomeric coating for exterior masonry surface. It has exceptional flexibility, sealing of cracks, UV resistance and adhesion characteristics to provide optimum protection to surfaces subject to thermal movement.

STANDARD

Tested to ASTM D4541, ASTM D882, ASTM D 1653, ASTM D 570

USES

ZURACOAT 300 system is suitable for use on all types of concrete structures which are directly exposed such as Buildings, Bridges, Flyovers and Under-passes. Also Suitable for application on previously painted surfaces.

ADVANTAGES

- ▶ **High Build Film** - Higher thickness ensures longevity
- ▶ **Elastomeric** - Accommodates thermal movement of hair-line cracks
- ▶ **UV Stability** - Resistance to UV rays
- ▶ **Anti-Dirt & Anti-Fungal**
 - ▶ Low dirt pick-up and can be cleaned easily
 - ▶ Resistance to Fungal and Algae
- ▶ **Breathability** - Allows internal moisture to escape
- ▶ **Ease of application** - User friendly product and can be easily applied by brush, roller or spray

TECHNICAL DATA

Specific Gravity	1.2
Adhesion to concrete ASTM D4541	3.7N/mm ²
Water absorption ASTM D 570	0.8%
Resistance to chloride,	Good
UV resistance (1000 hrs) ASTM G153	Good
Resistance to algae & Fungi	Good
Water Vapour Permeability (gm./m ² /hrs)Test ASTMD1653	1.0
Diffusion resistance Carbon Dioxide Permeability	4.46
Diffusion equivalent air layer thickness (Sp)	55.7 m
Diffusion resistance number	22.3 μ
Dry Film thickness	120 microns in 2coats
Elongation at 120 microns ASTM D882	>330%
Tensile Strength ASTM D882	4.29
Shore 'A' Hardness	80
Volume of solids	58 ± 2%

APPLICATION INSTRUCTIONS

Surface preparation

All surface should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algae growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by thoroughly surface preparation.

It is essential to produce an unbroken coating of ZURACOAT 300 water based system. To ensure this is achieved, surfaces containing cracks should first be filled using ZURACRACKFILL-G/W and Spalled portion with polymer modified mortar using ZURABOND AR/SBR LATEX.

Priming

ZURAPRIME is a water thinnable acrylic primer coating for external walls. It has excellent water repellent characteristics and hence provides water proofing properties to external walls.

- ▶ Prime the surface with ZURAPRIME diluted with potable water by 25% (1L of primer and 250ml of water) and allow it to dry for 2-3hrs

Application

In order to obtain good aesthetic finish of the ZURACOAT 300 water based system, it is important that the correct rates of application and over coating time are observed.

Mixing

Add maximum of 4L clean water to the 20L container and mix thoroughly using a slow speed drill fitted with a paddle.

Number of coat(s)	2
Recommended	
Total dry film thickness	min.120 microns
Over coating time	@ 30°C 5 - 6 hours

Application should not commence if the temperature of the substrate is below 10°C or above 45°C

APPLICATION

All prepared substrates should be treated with two coats of ZURACOAT 300 system. The material should be stirred well thoroughly before use. The first coat should be applied generously and worked into all hairline cracks and voids by the use of suitable brushes or rollers to achieve a uniform coating. This coat should be allowed to dry before applying the second coat. Always keep a 'wet edge' to avoid ridging and overspreading. Never stop in the middle of the wall and always complete one wall at a time. The second coat of ZURACOAT 300 water based system must be applied exactly as detailed above.

ZURACOAT 300 system can also be spray applied.

ZURACOAT 300

Water Based Aliphatic Acrylate Elastomeric Protective Coating for Walls

COVERAGE

ZURACOAT 300 covers 5-5.5m²/L in 2 coats on primed surface.

ZURAPRIME covers 8-10m²/L in single coat

PACKAGING

ZURACOAT 300 is available in 20L & 4L

White & Light Base : 4 & 20L cans

Dark Bases : 3.8 & 19L cans

ZURAPRIME : 20L can

PRECAUTIONS & LIMITATIONS

- ▶ Do not dilute ZURACOAT 300 more than prescribed quantity as per datasheet.
- ▶ Do not apply if rain is expected within 12 hours of application
- ▶ Do not use on interior applications
- ▶ Do not use where there may be hydrostatic water transfer from the backside of the substrate
- ▶ Do not apply to improperly sealed substrates that are subject to raising dampness or moisture migration
- ▶ For extra protection, apply additional coat on rain lashing walls
- ▶ Over diluting ZURACOAT 300 like any other paint will effect the properties of the product

SHELF LIFE

18 months if stored in original packing under shed and at normal ambient temperature

HEALTH & SAFETY

ZURACOAT 300 is toxic and should not be swallowed or allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

ZURACOAT 300 is water based and non-flammable but should be stored away from combustible materials.

Important: It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, **Prozura Construction Chemicals Pvt. Ltd.** does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



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