

Walltron Rain shield

Elastomeric Exterior Waterproof Coating



PRODUCT DESCRIPTION:

Walltron Rainshield is specially formulated waterproofing exterior coating based on elastomeric acrylic emulsion with balanced DPUR (Dirt Pickup Resistance) . It possess very good elasticity, breathability, Water resistance and crack bridging property.

FEATURES:

Waterproofing: High Film Thickness which provide crack bridging ability and waterproofing properties.

DPUR(Dirt pickup resistance): The coating has very good dirt pickup resistance and maintains the aesthetic appearance of structure.

Crack Bridging: The elastomeric coating can bridge cracks upto 1 mm.

Excellent Adhesion: Very Good adhesion to masonry surfaces.

Anti fading: The UV protection increases the weatherability of coating and protects shade from fading.

Breathability: The coating is breathable allows water vapor to transmit through film.

Surface Temperature Reduction: Provides surface temperature reduction up to 5°C** for vertical wall only for white shade.

Warranty : 7 years waterproofing warranty & performance warranty on vertical surfaces. Please refer warranty card for more details.

Note: **Surface temperature reduction: Temperature recorded from 1 pm to 3 pm with the aid of laser guided infrared non-contact thermometer, degree of surface temperature reduction will vary depending upon the surface & weather conditions

APPLICATION AREA:

To be applied on all types of exterior walls, concrete or plastered surface, terraces, parapet and balconies.

SURFACE PREPARATION:

- **New Plaster:** Ensure that surface is completely cured and dry, application of cement paint/ lime as an undercoat is not recommended.
- **For Repainting:** Clean the surface till it is free from dust , grease and flaking paint from surface. Any unstable paint to be removed, using high pressure water wash or scraper whichever is appropriate. Algae and fungus on the wall to be removed, by using high pressure water wash or coir brush and should be treated with Nippon Walltron Kleanwall Fungicidal Solution. Allow it to dry for 4-6 hrs.
- All the cracks up to 5 mm should be sealed with Walltron N-seal crack-fill paste/powder. For severe cracks and damages use cement mortars modified with Nippon Paint Walltron products.

APPLICATION METHOD:

1. For Fresh or New Concrete:

- a) Apply primer coat of Hydrosshield Sealer by diluting 1L paint with 500ml of water.
- b) Apply first coat of Walltron Rainshield without any dilution with forced coverage of 7-7.9 sq.mt/lt
- c) Apply second coat of Walltron Rainshield without any dilution with forced coverage of 7-7.9 sq.mt/lt
- d) Allow it to dry for 6-8 hours in between two consecutive coats.
- e) The coated substrate should be allowed to dry fully for 7 days

Note : For surface applied with cement based putty apply one coat of Maxx clear Sealer without dilution

2. For Repainting:

- a) Apply a primer coat using Hydrosshield Sealer diluted at a ratio of 1L paint to 500ml water, or , use Walltron Rainshield as a self-priming coat by diluting 1L of paint with 500ml of water.
 - b) Apply first coat of Walltron Rainshield without any dilution with forced coverage of 7-7.9 sq.mt/lt
 - c) Apply second coat of Walltron Rainshield without any dilution with forced coverage of 7-7.9 sq.mt/lt
 - d) Allow it to dry for 6-8 hours in between two consecutive coats.
 - e) The coated substrate should be allowed to dry fully for 7 days
-

PRECAUTIONS:

- Do not apply during rains or extreme temperatures. Avoid accumulation of water on horizontal surfaces.
- Do not dilute
- Not recommended on lime wash.
- pH of wall to be below 12.
- Avoid painting when the temperature is below 10 °C and above 45 °C. Relative humidity should be below 85%. Do not apply during rains.
- For Severe dampness as well as horizontal surfaces i.e. chajjas, Parapet walls etc., apply additional coat of Walltron Rainshield.
- Adhesion property may get affected over putty and very smooth surfaces.
- Stir well and strain before use for top coat.
- Rising dampness and efflorescence salts from external ground level can cause paint peeling, blistering.
- Find out the source of the water and address it before painting.

TECHNICAL INFORMATION

Hydrosshield Sealer : 7.4 sq.mt to 9.2 sq.mt

Walltron Rainshield : 4.2 sq.mt to 4.5 sq.mt

*Actual coverage is dependent on the substrate Condition, surface porosity, method of application

*Covering on rough-textured plastered surfaces: *3.7- 4.2 m²/Ltr/2 coats

*Coverage May vary depending upon the porosity and texture of surface

Shelf Life: 3 years from the date of manufacture in original tightly closed containers. Higher temperature during storage may reduce the shelf life and may lead to gelling in the container

Properties:	Results:	Test Method:
Elongation%	200%	ASTM D 412-02
Tensile Strength,Mpa	3	ASTM D 412
Adhesion Pull Off, Mpa	≥ 2	ASTM D4541
Dry film thickness	100 to 110 microns	
Water Penetration at 5 Bar	Nil	DIN1048
SRI (Solar Reflectance Index) %, (White)	>90	ASTM E 903
Surface Drying	30 min	
Recoating time	4 - 6 hours	
Dirt Pick-up Resistance	Passes the test	ASTM D 3719

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

During Painting:

Always work in well-ventilated area. Wear appropriate attire, especially gloves and eye protection, mask. Avoid contact with skin as it may cause irritation.

Cleaning:

Wash all tools with clean water immediately after application.

Safety Instructions:

In case of eye contact rinse immediately with water and seek immediate medical treatment. To remove paint from skin, use soap and water or appropriate cleanser. In the event of spillage, contain and collect split paint by using sand or earth.

Storage:

Store paint in a cool dry and well ventilated place away from heat sources, flammables or direct sun light. Keep container tightly closed in secure, upright position. Do not store near food, drinks or animal feed. Keep out of reach of children. Do not dispose of unwanted paint into drains, water sources or open sewers. To dispose safely, pour unwanted paint onto old newspaper and let it dry before placing in a proper waste receptacle.

Environment:

Does not contain any added lead, mercury or chromium compounds. Safety datasheets will be made available to professional users upon request **Lead content does not exceed 90 parts per million.**

DISPOSAL INFORMATION:

Disposal of any paint waste and containers in accordance with applicable Environment (Protection) Act 1986 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Disclaimer: The information contained in this Technical Data Sheet is based on laboratory tests and practical experience and is provided in good faith to the best of our current knowledge. However, no warranty, express or implied, is given regarding the accuracy, reliability, or completeness of this information.

FOR EXPERT CONSULTATION CALL
8880 261 261

