

WALPLAST PRODUCTS PRIVATE LIMITED

TECHNICAL DATA SHEET

Mastertouch WaterLock

Acrylic elastomeric waterproof protective coating system

Mastertouch WaterLock is acrylic polymer based elastomeric, UV-resistant waterproofing protective coating designed for both horizontal and vertical surfaces. It is formulated with select elastomeric and resilient acrylic polymers and reinforcing synthetic fibers. Upon curing, it forms a seamless durable membrane thus offering ultimate waterproofing, excellent flexibility & crack bridging ability. Mastertouch WaterLock can be used as waterproofing coating on building roofs, terraces, parapet, sunshades & vertical walls.

Tested according to ASTM D 412, EN 1015-12, IS 2645 & Internal test method.

PRODUCT

INDICATIVE TECHNICAL DETAILS

NATURE: White Viscous liquid
COMPOSITION: Acrylic emulsion, selected filler & additives
SPECIFIC GRAVITY at 27°C: 1.28 – 1.30
NON-VOLATILE CONTENT: 50 - 55
pH: 8 - 10
VISCOCITY, KU: 120 – 135
WATER PERMEABILITY (UP TO 4 BAR PRESSURE): Passes
DRY ADHESION STRENGTH, MPa: > 1.5
TENSILE STRENGTH MPa: > 2 MPa
ELONGATION %: > 200

FEATURES AND BENEFITS:

- Waterproofing protection of up to 4 bars of positive hydrostatic pressure
- Crack bridging ability due to elastomeric properties
- Strong adhesion to masonry substrates
- Single pack, easy to apply and simple re-coating.

- Applied directly from the container by brush or roller.
- Provide effective barrier to carbonation.
- Mercury, lead, chromium, cadmium & arsenic free.
- On drying forms, a seamless protective and waterproof membrane.

GUIDANCE FOR USE

SURFACE PREPARATION:

- Prior to application of Mastertouch WaterLock, all surfaces must be prepared properly to avoid failure.
- New masonry surfaces must be allowed to cure completely. It is recommended to allow 28 days as the curing time for new masonry surfaces.
- Clean loose particles, dirt, grease, and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping and the surface should be properly clean with water.
- Cracks up to 3 mm must be filled with crack filler. Bigger cracks, damaged portions and hollow areas must be repaired with polymer modified cement mortars.

HOW TO USE:

Horizontal Surface: For self-priming dilute the material with 3:1 proportion (3-part Mastertouch WaterLock: 1 part water) & apply on the concrete surface.

After 4-6 hours of priming apply 2 coats of undiluted Mastertouch WaterLock with 4-6 hours span in each coat.

Vertical Surface:

(A) For Fresh Painting – First apply self-priming coat prepared with 3-part Mastertouch WaterLock: 1 part water, then apply second coat of undiluted Mastertouch WaterLock in a span of 4-6 hours.

(B) For Repainting – On previously painted surfaces apply single coat of undiluted Mastertouch WaterLock.

Topcoat: - As per desired shade apply 2

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coats of exterior emulsion paint in a span of 4-6 hours.

COVERAGE:

- For horizontal surface: 0.80-1.00 m²/ltr
- Vertical surface:
 - (A) For fresh painting: 1.90-2.40 m²/ltr
 - (B) For repainting: 2.6-3.2 m²/ltr

Note: Coverage depends on surface profile, texture, and porosity

CLEANING:

- Mastertouch WaterLock can be removed from tools and equipment by using clean water immediately after use. Any hardened material can be removed mechanically

PRECAUTIONS:

- Repair the hollow surface area before applying Mastertouch WaterLock coat.
- For oily, existing failure coating surface, carry patch tests to check adhesion of product to substrate.
- The forced coverage leads to long term performance hence it recommended to ensure coverage as per datasheet only.
- Mastertouch WaterLock must be applied between temperature 10 - 35° C.
- Do not apply during rains or extreme temperatures.
- For best results, apply coating on parapet to parapet to envelope the entire building.
- Stir container well before use.

SHELF LIFE & STORAGE INSTRUCTIONS:

- 18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from 10°C to 40°C.
- Store in dry and well-ventilated place, away from heat source & direct sunlight.

PACKAGING:

- Mastertouch WaterLock is supplied in 4, 10, 20 liter pail.

HEALTH AND SAFETY INFORMATION:

- Refer MSDS for information and advice on the safe handling, storage, and disposal of chemical products.
- Use rubber hand gloves & safety goggles, while using product.
- Avoid contact with skin & eyes. Avoid swallowing. In case of contact with skin, wash with plenty of water.
- Ensure adequate ventilation and avoid inhalation of vapor.
- Keep out of reach of children.

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.