NIPPON PAINT | Hydro Block 2K
Waterproofing Coating

Walltron Hydroblock 2K is a two-component cementitious, flexible waterproofing coating. It is composed of best quality portland cement, properly selected and graded aggregates, additives & Acrylic polymer as a binder. It is applied to waterproof and protect concrete structures.

GREEN ASSURED

GREEN CHOICE
SAFER FOR YOUR HEALTH

PRODUCT FEATURES

Flexibility
Provides a flexible & low permeable coating

Waterproof
Waterproofing of concrete structures

Adhesion
Provides an elastic film with excellent bonding with cementitious substrates

Crack Bridging
Can bridge cracks up to 1 mm

Efflorescence Resistant
Provides protection against efflorescence

Anti Carbonation
Prevents carbonation of concrete

Seamless Coat
Forms a seamless coating

Application
Easy to apply

APPLICATION AREA:

Suitable for use on new & old concrete/mortar/plaster surface which is in good condition.

Specially designed for Waterproofing of:

- Bathrooms, toilets, balconies, water tanks, basements & retaining walls
- Waterproof coating (bottom coat) for marble, granite and other natural stones
- Masonry surface: Brick walls/concrete slabs subjected to damage from moisture/efflorescence

TECHNICAL DETAILS

Mix ratio (Powder : Liquid), by weight		2:1
Surface Dry time, minutes	ASTM D 1640	40 - 50 mins
Recoatability time, Hrs		4 - 6
Elongation at break, %	ASTM D 412	75 %
Adhesion strength, MPa	ASTM D 4541	0.7

Coverage:

WALLTRON HYDROBLOCK 2K

7.5 - 8 sq ft/kg/2 coats

Coverage can vary depending upon the nature of the substrate.

HOW TO APPLY

Surface Preparation:

- The surface must be strong & free from dirt, dust & loose particles.
- Thoroughly wire brush the surface & clean the dust by air compressor or wash the surface with water. Oil & grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using a suitable Walltron product.
- In case of efflorescence, cement plaster should be removed well over and wider of the affected area up till the brick level.
- Prior to application the surface must be in Saturated Surface Dry (SSD) condition.

Mixing

- Shake the liquid component well.
- Transfer entire quantity of liquid component into a suitable clean mixing vessel, gradually start addition of powder component under constant mixing.
- In case of large quantity use mechanical stirrer.
- Mix the entire quantity until a smooth homogeneous slurry without lump is achieved.

Application:

- Apply Walltron Hydroblock 2K slurry by brush over SSD masonry/brick surface.
- Allow the surface to dry for 4-6 hours. Drying will depend on temperature & humidity. Then apply second coat in perpendicular direction to the first coat.
- Ensure a forced coverage of 15 - 17 sq.ft./kg/coat.
- Ensure overlay of cementitious screed / plaster within 24 to 48 hrs.
- In case of fresh concrete/masonry substrate - the surface must be cured for 28 days before application.

Precautions and Limitations:

- Mix the entire quantity of both the components.
- Always add powder to liquid, to ensure the mixture is free of lumps.
- Do not add water during mixing/application.
- Do not use powder with any other the liquid, it will affect the performance.
- Do not flood the treated surface with water until it is completely cured.

SAFETY AND ENVIRONMENT

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 the material from skin, use soap and water or appropriate cleanser. Safety datasheets will be made available to professional users upon request

Storage:
Store in a cool dry and well ventilated place away from heat sources, flammables or direct sun light. Do not store near food, drinks or animal feed. Keep out of reach of children.

Shelf Life:
Best before 6 months from date of manufacturing in unopened original packing when stored in dry condition.