

HydrophobNeo-L

Water Based Composition

HydrophobNeo-L penetrating water repellent composition is used to protect surfaces of building constructions made of:

- Aerated Concrete
- Concrete Brick
- Building Stone
- Paving Tile
- Concrete
- Clay Brick

Description

HydrophobNeo-L water repellent composition is designed to impart water repellent and frost resisting properties to building materials and protect from moisture saturation of building constructions made of concrete, foamed and gas concrete, brick, building stone, gypsum, glass magnesium boards, plastered surfaces.

Composition: Water based composite material on the organopolysiloxane basis. Produced in accordance with the Technical Regulations 2229-001-73350653-2006.

Uses

- ✓ Effective protection of fronts from aggressive weather impact;
- ✓ Waterproofing of walls and concrete floors in basement, damp and other rooms;
- ✓ Reliable protection of the objects of country house building from the impact of atmospheric precipitation;
- ✓ Covering slate and tiled roofing, concrete parking lots, driveways, walkways, parapets and footpaths;
- ✓ Use in restoration work;
- ✓ Preservation of the objects of construction in progress for autumn and winter period.

Packaging

1,321 Gallon (5 liters) Containers

Features and Benefits

Surfaces treated with HydrophobNeo-L have water-repellent and frost resisting properties. They become resistant to atmospheric precipitation and groundwater.

The HydrophobNeo – L composition has light antiseptic properties: it prevents from the formation of mould, fungus, etc. HydrophobNeo-L water repellent agent does not form a film – it penetrates the surface to form a water repellent layer within the material to reduce moisture penetration. The product keeps the gas permeability of treated surfaces: material breathes. The HydrophobNeo-L composition improves thermal insulating properties of building materials. The HydrophobNeo – L composition has no smell and colour; does not change the pattern and colour of treated surfaces. The composition is completely fire safe and blast proof. It is safe for environment. The product does not need preliminary preparation: ready for use. The HydrophobNeo – L composition is frost resisting: it can be applied at temperature down to minus 5°C (+23°F). HydrophobNeo – L water repellent agent is especially recommended to protect from moisture saturation of building constructions made of porous concrete.

When used outdoors treated surfaces keep water repellent effect for approximately 1 – 8 years. Durability of the coating is approximate and may vary depending on surface porosity, surface texture, concrete condition, climatic conditions, etc.*

*When applied to surfaces with pre-existing defects (chips, cracks, scratches, etc), when applied to wet surfaces, when applied to horizontal surfaces, when applied without following the application manual the service life of the coating is reduced.

Consumption

1,321 Gallon (5 liters) / Coverage area: 150 to 350 Sq. Ft. (14 to 32 sq. meters), depends on surface porosity. Consumption is approximate and may vary depending on surface porosity, surface texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual consumption before general application.

Technical Data & Physical Properties*

	Property	Test Data
1.	Appearance, odour	Water based colourless liquid with almost no odour
2.	Density at 20 °C	8.512 - 8.637 lb/gal (1,020 – 1,035 g/cm ³)
3.	Water absorption of clay brick samples being submerged in water for 24 hours	≤2%
4.	Penetration depth	1/4 In. (3 -6 millimeters)

5.	Consumption	110 – 260 ft ² /gal (2,8 - 6,4 m ² /L)
6.	pH	11,5 – 12,5

* According to TR 2229-001-73350653-2006

Directions for Use

The HydrophobNeo-L composition does not need preliminary preparation: ready for use.

Air temperatures should be a minimum of 23°F and a maximum of 100° F during the application. Do not apply to frozen or frost covered surfaces. Do not apply to surfaces when it is raining or snowing. Make all necessary repairs, including defects, which allow water to enter the construction such as: structural cracks, chips, scratches, mortar joints, etc.

Application must be to clean, dry to slightly damp surfaces. Remove dust, dirt, oils, efflorescence, wax, coatings or other foreign matter that might block or interfere with product penetration. When applied to wet surfaces the HydrophobNeo-S composition is necessary.

Always perform a **test application** to a small area of surface for proper penetration on each type of surface before starting full-scale application to determine suitability and final appearance. When applied to surfaces of nonporous bricks and stones test application is especially required.

The HydrophobNeo-L composition can be sprayed, brushed or rolled. Amply saturate the surface with HydrophobNeo-L. Use enough to completely wet the surface. Avoid puddling or ponding. Do not let the product dry on the surface. Roll or brush out puddles. Remove excess of the composition with a dry cloth or a sponge. Surfaces with defects (chips, cracks, scratches, etc.) should be treated thoroughly. Small articles can be treated with the product by submerging in the HydrophobNeo water repellent composition for several minutes.

On highly permeable surfaces, additional coats may be necessary. Apply a first application, wait for 5 - 10 minutes, and then apply a **second application** "wet on wet." The second application will require less material than the first. Avoid puddling or ponding.

Drying time: two to six hours, depending on temperature and humidity. Optimum water repellency is developed within 24 hours. Protect surfaces from rainfall for 24 hours following treatment.

NOTE: The HydrophobNeo composition should not be used for the treatment of articles made of any polymeric materials (plastics) as it is ineffective, of any metals (ineffective, corrosion is possible for aluminum alloys). Prevent from being spilled or over sprayed

onto these materials. Treated surfaces may be painted with an oil-based (not a water-based!) paint. Testing is always necessary to ensure adhesion and compatibility. Prevent from being spilled or over sprayed onto glass surfaces. Loss of glass transparency or formation of spots is possible. If being spilled onto glass surfaces remove the composition as soon as possible with a dry or wet cloth. When applied to surfaces of some types of gypsum white fluffy bloom might occur. After drying it may be easily removed with a dry cloth or a dry brush.

Precautions

Keep out of reach of children. Read label before use.

1) Composition application should be held in protective glasses (chemical splash goggle) and gloves (plastic or rubber). When sprayer is used respirator is needed. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke during use.

2) First aid measures: After inhalation - remove to fresh air, allow the person to rest. After skin contact - wash off immediately with plenty of water. After eye contact - immediately flush eyes thoroughly with water for at least 15 minutes, remove contact lenses, if present and easy to do, continue rinsing. After ingestion - rinse mouth, obtain emergency medical attention.

For additional information for this product, refer to the Safety Data Sheet available at hydrophobneo.com.

Storage

When stored in original, unopened containers, the warranty storage time is 3 years of date of manufacture (see the package). When being stored for a long time precipitation may occur. Mix thoroughly prior to use. The composition does not freeze at temperature down to minus 5°C (+23°F). After thawing the HydrophobNeo-L properties are the same. Do not store the composition in containers covered with aluminum or zinc coating as well as in glass vessels.

Responsibility and Limited Warranty

The manufacturer warrants at the time and the place of shipment the water repellent agent will be of good quality and will comply with the Technical Regulations 2229-001-73350653-2006. The product quality will be confirmed by the Quality Certificate, which is issued to each batch of the product. However, the manufacturer cannot control the use of the product by others, and therefore does not give any guarantees of results and does not assume any obligations or responsibilities in connection with the use of the product without prior research or approval. It is recommended that the products be tested to determine if suitable for specific application. Responsibility remains with the architect, engineer or contractor, as well as, owner for the design, use and proper application of the composition. Customer and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.