

Environmental Friendly Chemistry



BOND-WR-11 **WET LOOK**

WATER REPELLENT FOR NATURAL STONE, MASSONARRY AND PAINTS

Wr-11 is an aqueous, solvent less, silane-based water repellent. It is a high quality specialty product for impregnating both normal and reinforced concrete. This water-based silane penetrates most masonry and concrete pores and capillaries up to ¼ inch or more depending on surface porosity and moisture content at the time of application. The surface and give resistance to water, pollutions, Dust, UV protection, Anti bacterial, Anti corrosive, and protect from acids, alkalis, saline weather, water based chemicals, mould, algae and fungus growth. It can be used for exterior and interior use also.

ADVANTAGES

Solvent less, aqueous and environmentally friendly

- Deep penetration of substrate due to small molecular structure gives added repellency
- Penetrating water repellent action at low dosage – fast water beading
- Reduction in water absorption reduces spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate
- Retains original look of the substrate

Excellent water repellency with air permeability on natural STONES.

Gives air permeable, water and oil impermeable finish, also gives breathable finish

Resistance to Dust, Dirt, Mould, Algae, etc

UV Protection

Save some electricity due to dry air in the rooms due to nano coat reduce load for Air-Condition.

Transparent Nano coat ON NON ABSORBING SUBSTRATES.

Very good temperatures resistance.

Low Cleaning and Maintenance requirements.

WHERE TO USE:-

- (1) For protect of Natural stones, cement concrete, Bricks, AAC blocks, Plasters, Stuccos,

Textured paints, Lime wash, Emulsion paints, Silicate paints, Clay tiles, Soil Pots, Manglore Roofing tiles, etc.

- (2) **Special applications :- (Only undiluted)**

AS A Additives with silicone paints/ silicate paints/ white wash / interior water base paints and silicone resin plasters, façade paints, Highly filled emulsion coatings, Insulating materials.

Add 1-5 Wt % in wall coatings and 5-10 Wt % in primers.

Coverage of diluted material as a direct primer :-

10-12 Sq. mtr per coat per Kg. for wall coating.

METHOD OF USE:-

SURFACE PREPARATION:- (1) Surface should be Dry, clean, even and free from dust, dirt, paint, rust, Algae, grease, soluble salt, or other contaminations and Damp free. For cleaning use cleaner. Coating should be applied and dried in a dust free environment, preferably in clean room conditions.

Preliminary test to verify Incompatibilities have to be done at any rate.

APPLICATIONS :-

Dilute up to 1:10 to 1:12 by water for coatings

□ Optimization of dilution may be required to obtain maximum performance on selected substrates. A test application is necessary on each surface to be treated to ensure compatibility, appearance and the desired water repellent result. Avoid application on non-porous substrate.

□ Surface must be dry, free of standing water, clean of oils, dust, loose and foreign material.

□ WR-11 will not inhibit water penetration through unsound or bigger cracked surfaces.

□ Methods of application include airless sprayer, roller and brush. When a brush/roller is used, repeat application until the surface remains moist for a few minutes. For airless sprayers, apply until substrate is thoroughly saturated. Minimum 2 coats are recommended for proper result.

□ Protect from inhalation of product. High winds may interfere with application. Do not apply if rain is expected within 6 hours.

| BOND | WR-11 (RTU) READY TO USE | WR-11 DILUTABLE |
|---|---|---|
| TYPE | SILEN BASE WHITE EMULSION | SILEN BASE WHITE EMULSION |
| Color | AQUEOUS WHITE EMULSION | AQUEOUS WHITE EMULSION |
| % Solid Content (110oC for 1 hour) | 3.5-4.00 | 35-40 |
| FLASH POINT | None | None |
| Ph | 6-8 | 6-8 |
| Dilution with DM water/ Distilled water / R.O. water | RTU | 1:10-12 |
| METHOD OF USE | Brush/Roller/pump spray/ Trigger spray/ sponge/ Dipping or Washing machine. | Brush/Roller/pump spray/ Trigger spray/ sponge/ Dipping or washing machine. |
| FULL CURE TIME | Generally Room temperature curing For fast result apply hot air for up to drying. | Generally Room temperature curing For fast result apply hot air for up to drying. |
| COVERGE / Lit./ coat (Theoretically) Approximate | 150-200 sq. ft. so that it is Depends on the rate of absorptions of substrate. | 150-200 sq. ft. so that it is Depends on the rate of absorptions of substrate. |
| UV Resistance | Excellent | Excellent |
| Water Repellency | Immediately. 100 % After 2 Days Excellent | Immediately. 100 % After 2 Days Excellent |
| STORAGE LIFE Months | 6 Months | 6 Months |
| PACKING LITERS | 5, 30 & 50 Kg Carboys | 5, 30 & 50 Kg Carboys |

Test of Coating for water and oil repellency

Once coated performance can be tested by pouring some water on the coated piece. If coating is done properly, water and oil should form droplets and roll-off the surface and should not spread out or penetrate into the substrate.

The information contain here in is reliable and accurate the best of our knowledge. Technical services will provided for guidance when required. However conditions of uses and methods of application are beyond our control, no warranty is expressed or implied.

ALSO AVAILABLE CONSTRUCTION CHEMICALS LIKE CEMENT ADDITIVES, WATERPROOFING COATINGS, WATER REPPALENTS, CHEMICALS & ABRASION RESISTANCE FLOORINGS MATERIALS, EPOXY-POLYURETHANE RESINS, GOUTING MATERIALS, ANTI CORROSIVE PAINTS, FACADE PAINTS, SEALENTS AND ADHESIVES, RETRO REINFORCING REHABILITATION MATERIALS. FOR BUILDING, BRIDGE, DAM, CANAL, TUNNEL AND MARINE STRUCTURES, ETC

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