

# Crocodile Nano Protect Plus

## Coating



### Coating Product with Impregnation System Reduce Water Absorption

Crocodile Nano Protect Plus is water-based Silane Siloxane for concrete surface, raw concrete, brick, lightweight concrete block, concrete block, sand wash finish concrete, exposed aggregate finish concrete, and other natural silica-based materials. The product is water repellent, reducing water absorption causing fungi and algae. It also helps reduce staining from water. The product can be absorbed to the materials without creating a film on the surface, thus not blocking moisture evaporation, and not making color or texture change.

### Product Features

- Reduce water absorption to avoid risk of fungi and algae on concrete surface, raw concrete, brick, lightweight concrete block including other silica-based or sand-based natural materials.
- Concentrated formula for longer lasting protection
- Impregnate and be absorbed into material leaving no coated films on the surface
- Do not alter color and texture of materials
- Do not block moisture evaporation from material
- Has no strong scent, not poisonous vapor and VOCs, highly safe for user
- Easy to clean application tool, just water to wash

### Product Characteristic

White opaque liquid

### Application Area

Concrete, plaster cement, polished cement, brick, concrete block, granite, slate, exposed aggregate finish, terrazzo finish, other silica-based or sand-based materials (it is highly recommended to test the product on a small surface area before actual full implementation).



## Application Instruction

### Substrate Preparation

- The surface must be strong and solid, not dusty, not cracked, not disintegrated. Dry and clean. No paint, coated film, varnish, or stain left.
- In case of surface with fungi or algae, clean off by brush, or high-water pressure sprayer, and then applied with antifungal and left dry before applying.
- For new concrete, it must be left to dry at least 28 days before applying.
- The surface moisture should not exceed 4% for best penetration effect and lasting effect.
- In case of rain, the surface must be left to dry with minimum moisture before applying the product.

### Application

- The surface must be strong, clean, and free from paint, coatings, grease, and all contaminants. Areas with mold or algae should be thoroughly scrubbed with a brush and allowed to dry completely before application.
- For new concrete surfaces, allow the substrate to cure and dry for at least 28 days.
- Surface moisture before application should not exceed 4%.
- If it has recently rained, wait until the surface is completely dry and the moisture level meets the requirement before applying the product.
- Apply by brush or spray in 2 coats, ensuring full coverage. Apply the second coat immediately while the first coat is still wet (wet on wet), to ensure proper penetration.

\*\*\* Allowing the first coat to dry completely will reduce the penetration effectiveness of the second coat.

- After coating with Nano Protect Plus, protect the surface from water for at least 24 hours to prevent wash-off and ensure proper penetration and reaction with the substrate.
- Crocodile Nano Protect Plus reaches its maximum performance after 14 days.

### Estimated Coverage

4-8 sq.m./liter, depending on type and porosity of the surface. The actual value can only be calculated from the actual work.

### Recommended Equipment

Paint brush, roller, and spray gun

### Equipment Cleaning

Use water to clean equipment after using.

### Suggestion

- The product may separate during storage; mix with a mechanical stirrer or shake well before use.
- Test Jorakay Nano Protect Plus on a small, inconspicuous area first to check for any surface color changes before full application.
- This product is a water-repellent, not a waterproofing material. It is not suitable for surfaces exposed to hydrostatic pressure, such as ponds, belowground water basins, or water tanks.
- Not suitable for trafficable areas, standing-water areas, or water-ponding zones.
- Recommended for use on vertical surfaces only.
- Variations in material composition, density, and porosity may affect the penetration performance of Jorakay Nano Protect Plus.
- Use only in well-ventilated areas; avoid inhalation.



#### Technical Data

Test Method	Standard	Evaluation	
pH Level	-	6.5	
Specific Gravity	-	0.99	
Viscosity	-	9157.14 cP	
Water Uptake	BS EN 13057:2002 ASTM G154 - 16	Blank Sample	Apply the product
1 hr.		2.75 kg/m <sup>2</sup>	0.09 kg/m <sup>2</sup>
2 hr.		2.75 kg/m <sup>2</sup>	0.10 kg/m <sup>2</sup>
4 hr.		2.75 kg/m <sup>2</sup>	0.11 kg/m <sup>2</sup>
24 hr.		2.81 kg/m <sup>2</sup>	0.19 kg/m <sup>2</sup>

#### Caution

- Use safety equipment like goggle, glove, safety masks, etc. during application
- Should apply in a well ventilation area. Not inhaling the vapor.
- In case of contact with eyes, rinse immediately with water.
- Keep out of reach of children

#### Storage

- Keep in a cool dry area with the temperature range of 0-35°C
- Shelf life for 1 year since manufactured date.

#### Packing

Net weight: 20 liters/pail, 5 liters/gallon

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