

HYBRID PU CRONAPROOFA®1K

HYBRID POLYURETHANE WATERPROOFING COATING

PRODUCT DESCRIPTION :

Hybrid PU CRONAPROOFA®1K is a product development of a 1-component polyurethane technology hybrid waterproofing coating based on polyurethane dispersion which is ready to use and after drying will form a leak-proof layer that is resistant to water immersion in the long term. This Hybrid PU CronaProofa®1K product has a strong, highly elastic, mold & mildew resistant and UV resistant. It is suitable for use in tropical climatic application in areas with high humidity or high rainfall.

ADVANTAGES :

- PUD Technology
- Simple application (airless spray, roller, brush)
- Suitable for exposed surfaces
- The membrane layer does not bubble / does not scald after being submerged in water for a long time
- Has a strong adhesion to the surface / substrate in wet conditions
- Can withstand cracks (Good Crack Bridging) due to pressure or expansion and shrinkage of the substrate
- Color stable membrane coating, non-fading and durable
- It is suitable for the application of waterproofing roofs and walls outside the house
- Flexible and UV resistant
- Can be applied in vertical and horizontal areas
- Low VOC & free formaldehyde content

AREAS OF APPLICATION :

1. Plastered / plaster walls
2. Concrete Walls, Gutters and Floors
3. The roof of the building
4. Iron/Metal Roof Surface
5. Wood/Timber Surface
6. Light Brick / Red Brick / Brick
7. Concrete Tile / Roof Tile

8. Concrete Decks, Water Container and Fishpond
9. Bathrooms
10. Basements
11. Maintenance of existing roofs

PRODUCT SPECIFICATION :

- Main Materials:
Modified Polyurethane Dispersion
- Color : Multi Color
- Solid Content : $\pm 60 \pm 1 \%$
- Viscosity (cps) : 6,500 - 10,000
(Brookfield RVT, 30 °C spindle 6, 20 Rpm)
- pH : 7 – 8
- Density : 1.312 gr/ml
- Tensile Strength
- (ASTM D 412-16) : $> 1,5 \text{ N/mm}^2$
- Elongation
- (ASTM D 412-16): $> 400\%$
- Adhesion to Substrate
- (ASTM 4541-02) : $> 1,2 \text{ N/mm}^2$
- Crack Bridging : No Crack
- UV Exposure : No disintegration, blisters, cracks, crazing, swelling or peeling observed.
- Coverage : 0.5 liter/m² (2x coating)

SUBSTRATE PREPARATION :





The substrate must be clean, dry, hard, and free from oil, grease, curing compound (concrete

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hardener) and other impurities. If there are cracks including hair cracks or holes, the substrate must be repaired first with a mixture of cement sand and Bonding Agent solution so that it does not crack again.

If there is no Bonding Agent solution, Hybrid PU CRONAPROOFA®1K can be diluted with water in a ratio of 1:1 to be mixed with a 1:2 cementsand mixture.

For repair of hair cracks, use Hybrid PU CRONAPROOFA®1K which has been diluted with water in a ratio of 1:1, then mix white cement or gray cement as filler. To repair a large crack or a hole, use another product NON SHRINK GROUT GP (TamCrete GP).

HOW TO APPLICATION :

Hybrid PU CRONAPROOFA®1K can be applied with an airless spray, brush or paint roll equally well, it can also be used to repair the carpus area of the roof of a building or to cover cracks in plaster or concrete surfaces. The results of the CRONAPROOFA® 1K Hybrid PU application will have a very strong adhesion. Hybrid PU CRONAPROOFA®1K can also be used as decorative paint on side walls, terraces, decks and taps made of concrete on the outside of a building or house. The result is this decorative paint textured / motif with paint quality that is waterproof and UV resistant, so the color does not fade easily.

Brush / roll on the prepared substrate thinly on the first application so that the Hybrid PU CRONAPROOF®1K material is absorbed and adheres to the porous of the substrate well. Once dry, apply a second coat in a direction opposite to the first. Use fiber mesh/fiber net for membrane

reinforcement when applied over cracks or holes in substrate, or in joint areas.

COLOUR :

White, Light Grey, Cream, Ocean, Black

PACKAGING :

Available in packs of 20 Liter.

COVERAGE RATE :

± 0.5 liter/m² (2x coating) of Hybrid PU CronaProofa®1K material.

STORAGE & SHELF LIFE :

Hybrid PU CRONAPROOFA®1K products can be stored for more than 12 months, in a well ventilated, cool, dry place and the packaging has not been opened.

HEALTH & WORK SAFETY :

Hybrid PU CRONAPROOFA®1K is non-toxic, however PT. CRONA PERKASA SOLUSINDO still recommends the use of rubber gloves and safety glasses for protection during application.





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