

HYDROSKY Product instruction manual

HYDROSKY SKY-HX

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Uses: Used for prevention of deterioration of concrete, mortar, natural, artificial stone, block, brick, tile, prevention of whitefin, surface protection, moistureproof, antifouling.

Common name: inorganic infiltration, reactivity, deterioration, water absorption prevention water repellent

Standard: Internal standard

Features: Hydro Sky SKY-HX is concrete, mortar surface When penetrating deeply into capillary voids, etc., they chemically react with free alkali in concrete and mortar. Further strengthening the surface layer, the reaction product (crystal) changes to a hydrophobic substance, it becomes a new compound with water repellency. This crystal also prevents water leakage from the hair crack of 0.4 mm width or less. It penetrates usually to concrete by about 2 to 5 mm, but it creates a breathable water repellent layer for most of it (due to the density of object and aged), and it exhibits water absorption prevention effect, There is a remarkable difference in terms of durability, in particular, and it also maintains breathability. The construction application has been expanded just by hybridization.

General properties

Main component: alkali metal salt + silicate compound + silane compound

Appearance: 1 liquid

Color phase: colorless transparent or translucent liquid

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Packing figure: 20 kg

Specific gravity: 1.01 to 1.12 (20 ° C.)

Viscosity: 3 mPa · s or less

Solvent: water

PH: 10.0 to 12.0 (strongly alkaline)

Painting standard

Cleaning: Clean the coated surface for both new construction and repair work.

Protection: In areas other than the construction surface, where there is a risk of splashing, basically curing. Especially, do as far as possible to prevent adhesion to glass, aluminum, clay crown etc.

Application: The general coating amount is 0.12 to 0.35 kg/m², but this is not the case for waterproofing purposes. Roller, brush, sprayer with no spots. Even if grease, oil, part of paint etc. are stuck on the construction surface, it can be applied if there is no problem in function.

Construction precautions

1. It is a silicate type so wet the base before construction.
2. In addition to the construction site, please wipe off the part where Hydro Sky has adhered with wet cloth etc. immediately.
3. If the construction surface is above 50 °C, please apply plenty of water to cool or apply from the shade part.
4. In the winter, if construction time is room temperature even if it becomes 0 °C or less at night, please perform forced drying immediately after construction.
5. If you can not remove the oil, grease, mold release agent etc on the application surface, please permeate from the periphery.
6. Application method is not particularly selected. It is important to impregnate the framework adequately.
7. Wipe off the surplus and residual after coating with a cloth that you washed well. If wiping is inadequate, white spots may appear.
8. As soon as it is opened, it is used up quickly and the residual chemical reacts with the air in the container, so in the case of short-term preservation do not mix moisture, dust, etc., seal the inside air, seal it, Please keep it out of reach. Also please do not put back the used residue especially to the original container.
9. Should the droplets of the material come into contact with the eyes, please consult a doctor to wash with a large amount of water
10. Do not store or install under 0 °C.
11. Do not use frozen materials.

About JAI AF ★ ★ ★ ★

The indication of "Forster" is paint, interior material, building material, "It is the obligation to indicate newly to indicate performance classification of formaldehyde emission quantity. F☆☆☆☆ (F Forster) is a mark indicating formaldehyde grade that is obliged to be displayed on JIS products produced at JIS factory. Hydro Sky is not a paint, it is a deterioration protection and waterproof agent of aqueous inorganic compound. 1+5 kinds of formaldehyde, toluene, xylene, ethylbenzene, styrene for termite control agent designated as harmful chemical substance and for sick house syndrome are designated as harmful regulated drugs. Therefore, it does not fall under F☆☆☆☆ because formaldehyde which is an organic compound is not included. **About VOC** VOC stands for Volatile Organic Compounds and refers to volatile organic compounds Says. WHO is defined as a generic term for substances with boiling point of 50 °C to 260 °C among organic compounds present in the atmosphere in gas.



GHS label element
Pictogram or symbol



Related law

Dangerous goods indication: Not applicable

Solvent category: inorganic solvent

Hazardous Substance Display: Not Applicable