

PRODUCT DESCRIPTION

NTD White 5 is a TiO₂-free mineral-based paint powder for walls.

High performance interior and exterior wall paint in powder form.

Just add water, mix, and paint.

Complies with the functional and regulatory requirements of the EU Eco-label.

Suitable for most walls, ceilings and roof tops. Can be used on high-humidity walls (up to 10%).

- Mineral basis
- Vapor permeable
- Strong adhesion
- Durable
- Alkali resistant
- UV resistant
- Zero VOCs, zero Preservatives, zero TiO₂
- Non-flammable

CHARACTERISTICS

Dry Powder : water	2 : 1
Spreading rate @ 98% opacity	8m ²
Color profile	RAL 9016
pH	10.7
Density (g/cm ³)	1.5
Viscosity (mPa*s) Brookfield 2S 30rpm	2.414
(S)VOC content	None
Titanium dioxide	None

Product characteristics when mixed 2:1 with water:

- Spreading (ISO 6504-3, m²/Lt wet paint): 8.0
- Weight 1 Lt wet paint (ISO 2811, Kg): 1.5
- Dry matter content of wet paint: 67%

Preliminary Data:

- Adhesion of OPC concrete (ISO 4624, MPa): 2.3
- Weathering test color change (ISO 11507, ΔE): 0.5
- Flaking, cracking, blistering (ISO 11507): none
- Chalking (ISO 11507): 1
- Water vapor permeability (ISO 7783, g/(m².d)): >150 (Class V1)
- Liquid water permeability (EN 1062-3, Kg/(m².h^{0.5})): TBD (Class W2)
- Alkali resistance (ISO 4628-2): Pass
- Wet scrub resistance (ISO 11998): Class 2
- Gloss (ISO 2813): mineral mat

SUBSTRATE & PREPARATION

NTD White 5 has been developed for application on mineral substrates, such as concrete, brick, plaster, stone, and similar.

Can also be applied on wallpaper and some other surfaces.

Other surfaces should be evaluated prior to application.

Substrate humidity should be less than 10% for the best results.

The substrate to be painted should be clean, free of dust, algae, or grease. Loose and brittle/flaking parts, algae, grease, old paint layers and other surface contaminants should be removed and if necessary repaired by suitable mechanical or chemical means.

No primer is needed for normal applications, including many moist and/or porous surfaces.

APPLICATION

NTD White 5 can be applied as a 1 or a 2-coat process, using a brush or a roller. Always evaluate a test patch prior to application.

Air and surface temperature above 5°C. Do not apply in direct sunlight or on heated surfaces. Avoid painting at temperatures above 30°C or at full humidity

MIXING

Add 1 Lt of tap water to a suitable bucket and slowly add 2Kg of NTD White 5 powder while mixing with a properly equipped electrical drill or mixer for 3 minutes at high speed until a smooth mixture has been obtained. Make sure that no agglomerates are left in the mixture. Use a stick to stir and reduce large air entrapments.

Depending on the desired viscosity, the NTD White 5 water content can be adjusted within 10%

The information below can be used as a starting point for typical application.

Concentration	NTD White 5 (kg)	Tap water (Lt/Kg)	Wet paint (Lt)	Coverage (m ²) @ >98% opacity
2:1	1.0	0.5	1.0	8
	2.0	1.0	2.0	16
	3.0	1.5	3.0	24
	5.0	2.5	5.0	40

DRYING TIME

NTD White 5 starts curing immediately after preparation. This means that wet paint should be applied within 2-3 hours. It is normal that the paint becomes gradually thicker as a result of the curing process.

Please allow a minimum of 3-4 hours between application of coats. The maximum curing is obtained after 4-8 weeks.

NTD White 5 should not be mixed with other products, only with clean tap water.

AFTER APPLICATION

Do not release unused paint to the environment and do not dispose of it in a sink. Once hardened out, it can be disposed of in the same way building materials like cement and brick are disposed of. NTD White 5 does not pose a threat to the environment or aquatic life.

Always follow local rules and regulations for safe disposal of NTD White 5, whether in powder or liquid form.

Brushes and rollers and other tools should be thoroughly rinsed with water immediately after use.

STORAGE

Store in closed packaging, keep away from high temperatures or high humidity.

NTD White 5 can be stored in unopened packaging during at least 24 months.

TRANSPORTATION

No hazard class applicable.

SAFETY INSTRUCTIONS

- Keep out of reach from children and pets
- Protect against moisture
- Avoid breathing dust
- Wear protective gloves/ clothing
- Protect all areas that are not to be coated, such as glass, natural stone, ceramics, wood, glass, etc. using suitable measures. Splashes should be removed immediately with plenty of water.
- In case of eye contact, rinse thoroughly and seek medical attention

ECO LABEL

NTD White 5 has been tested and complies with all functional and regulatory requirements of the EU ECO label for interior and exterior wall coatings.



NTD PAINTS CONTACT INFORMATION

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