

PRODUCT DESCRIPTION

NTD White 3 is a certified high-performance and mineral-based paint for interior and exterior walls and surfaces, fresh or previously coated.

- No Titanium Dioxide
- No Volatile Organic Compounds (VOC)
- No Pesticides or Biocides
- Mineral Basis
- Vapor Permeable
- Strong Adhesion
- Durable
- Alkali Resistant
- UV Resistant
- Non-Flammable
- Non-Film-Forming

CHARACTERISTICS

Product characteristics when mixed 2.5 : 1 with water:

- Dry film opacity @ 100µm: 98%
- Dry film L*: 93.9
- Dry film a*: -0.7
- Dry film *b: 1.5
- Spreading (ISO 6504-3, m²/Lt wet paint): 8.5
- Weight 1 Lt wet paint (ISO 2811, Kg): 1.7
- Dry matter content of wet paint: 71%
- pH wet paint: approx. 8
- Adhesion on lime-sand brick (ISO 4624, MPa): 1.53
- Adhesion of OPC concrete (ISO 4624, MPa): 3.2
- Weathering test colour change (ISO 11507, ΔE): 0.96
- Flaking, cracking, blistering (ISO 11507): none
- Chalking (ISO 11507): 1
- Water vapor permeability (ISO 7783, g/ (m².d)): 245 (Class V1)
- Liquid water permeability (EN 1062-3, Kg/ (m².h0.5)): 0.16 (Class W2)
- Alkali resistance (ISO 4628-2): Pass
- Wet scrub resistance (ISO 11998): Class 2
- Gloss (ISO 2813): mineral mat

(Based on preliminary test data by an independent coatings research lab in the Netherlands)

SUBSTRATE & PREPARATION

NTD White 3 has been developed for application on mineral substrates, such as concrete, brick, plaster, stone, bitumen and similar. It can also be applied on wallpaper and some other surfaces. Not suitable for application on metal, plastic or glass surfaces. Other surfaces should be evaluated prior to application.

Substrate humidity should be less than 10%. 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 3 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 liter of tap water to a suitable bucket and slowly add 2.5KG of NTD White 3 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.

Depending on the desired viscosity, the NTD White 3 powder content can be reduced until 2.0KGs per 1 liter of tap water. (This is the equivalent of adding 25% more water initially or adding 15% to the prepared wet paint.) However, this will reduce the opacity, increase the drying time and an extra coat might be required. Always evaluate a test patch prior to application.

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

Tap water (Lt/Kg)	NTD White 3 (kg)	Wet paint (Lt)	Coverage (m ²)
0.3	0.75	1.0	8.5
0.35	0.9	1.2	10
1.0	2.5	3.4	30
2.0	5.0	6.8	60

DRYING TIME

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

If needed, a small amount of water can be added to reduce the viscosity after 1 hour without influence on the performance of the paint.

Please allow 12 hours between application of coats.

The maximum curing is obtained after 4-8 weeks.

NTD White 3 should not be mixed with other products, only with clean tap water.

STORAGE

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

NTD White 3 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 3 is certified and tested as a Class 1 Paint and complies with the functional and regulatory requirements of the EU Eco-Label for coatings.



NTD PAINTS CONTACT INFORMATION

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