

- Excellent application properties
- Excellent coverage
- Excellent durability, maintains original film appearance over a long period
- Excellent water resistance
- Dirt resistant
- Excellent film resistance to the growth of fungi and algae

1 DESCRIPTION

100 % acrylic water based paint.

2 TYPICAL USES

Recommended for exterior use in all types of environment on cement mortars, tiles, stone and previously painted renders.

3 CERTIFICATES/TESTS

Reaction to fire (EN 13501-1):	A2-s1, d0
Classification in accordance with EN 1062-1 – Coating materials and coating systems for exterior masonry and concrete:	
Gloss level (Class G ₃):	Matt (G ≤ 10 with angle of incidence of 85°)
Water vapour transmission rate (Class V ₂):	Medium (0,14 m ≤ S _d < 1,4 m)
Water permeability (Class W ₃):	Low (W ≤ 0,1 kg/(m ² h ^{0,5}))
Application Document (DA46) – Coatings for exterior walls (according to NP 4505):	Favourable technical opinion on the coating system "Cinolite Primer/ Nováqua HD (white colour)" for painting exterior surfaces issued by LNEC.

4 CHARACTERISTICS

4.1 GENERAL CHARACTERISTICS

Finish:	Matt/smooth
Colour:	White and colours
Substrate:	Cement mortars, tiles, stone and previously painted renders
Practical spread rate:	10 - 14 m ² /1 per coat (Depending on the type of surface and application conditions)
Method of application:	Anti-spatter roller, brush or airless spray
Drying time: (at 20 °C and 60 % relative humidity)	Touch dry – about 30 minutes Repainting – 3 to 4 hours
VOC (Volatile Organic Compounds):	EU limits for this product (cat A/c): 40 g/L. This product contains at maximum 5 g/L VOC. (The VOC value shown above refers to a ready for use product, as tinted, thinned etc in accordance with our recommendations. We are not responsible for products obtained by mixing products which are different from those we have recommended and we must draw attention to the responsibility of anyone involved within the supply chain not to infringe Directive 2004/42/CE.)
Shelf life:	3 years when stored inside in original containers at temperatures between 5 and 40 °C

4.2 CHARACTERISTICS RELATED TO THE FILM ASPECT OBTAINED WITH PAINT NOVÁQUA HD (REF. 10-125.0501)

Characteristic	Test method	Product	Result
Hiding power	EN ISO 6504-3 Method B	Paint	Spread rate for a contrast ratio of 0,98: 9 m ² /L
Specular gloss	NP EN ISO 2813	Paint	Class G ₃ (matt)

Table taken from DA n° 46 issued by LNEC

4.3 PERFORMANCE CHARACTERISTICS OF PAINT NOVÁQUA HD (REF. 10-125.0501) AND COATING SYSTEM COMPOSED BY NOVÁQUA HD (REF. 10-125.0501) AND CINOLITE PRIMER(REF. 54-850.0503)

Characteristic	Test method	Product	Result
Resistance to cracking	NP 4505	Paint	The paint does not fissure to a wet thickness of 2000 µm
Alkali resistance to hydraulic binders	NP 4505	Paint	No visible degradation
		Coating system	No visible degradation
Water permeability	NP EN 1062-3	Paint	Class W ₃ – Low ($w \leq 0,1 \text{ kg m}^{-2} \text{ h}^{-0,5}$)
		Coating system	
Water vapour transmission rate	NP EN ISO 7783-2	Paint	Class V ₂ – Medium ($0,14 \text{ m} \leq S_D < 1,4 \text{ m}$)
		Coating system	
Cross-cut test	EN ISO 2409	Coating system	Class 0 after brushing and after removing adhesive tape
Resistance to artificial weathering (1000 hours)	NP EN ISO 11341 (Method 1, cycle A)	Paint	No defects were detected and there was a slight yellowing, $\Delta E^* = 1,6$
Resistance to fungi	ASTM D 5590	Paint	Class I ⁽¹⁾
Resistance to algae	ASTM D 5589	Paint	Class I ⁽¹⁾

Table taken from DA n° 46 issued by LNEC

(1) LNEC set the following classification based on the results of three test specimens tested during 4 weeks of exposure: Class I – Only one test specimen has degree 1 for growth and zero growth in the remaining two; Class II – More than one specimen shows the degree 1 of growth; Class III – none of triplicates may present a degree of growth higher than 2.

5 APPLICATION DATA

5.1 SURFACE PREPARATION

All surfaces must be dry, sound and free of dust, grease and other contaminants.

New cement renders: Allow for complete hardening of the cement, which takes approximately 1 month. Brush to remove loose material. Apply one coat of Cinolite Primer (ref. 54-850).

Previously painted surfaces: Clean carefully with high pressure water jets to remove badly adhering old paint and repair damaged areas and cracks measuring between 0.3 and 1.0 mm with Exterior Alltek (ref. 15-970). In areas where the support is visible, proceed as indicated for new surfaces. If the previous paint is chalky, apply one coat of Clear Cinolite Primer (ref. 54-852).

Previously lime washed surfaces: Clean carefully with high pressure water jets or brush. If the surface is lime free apply one coat of Cinolite Primer (ref. 54-850), otherwise apply one coat of Clear Cinolite Primer (ref. 54-852).

Surfaces with fungi and algae: Treat first with the Decontaminant Artibiose Plus (ref. 17-665).

5.2 ENVIRONMENT CONDITIONS

Ambient temperature:	Above 5 °C
Relativity humidity:	Less than 80 %
Surface temperature:	2 to 3 °C above dew point.
	Do not apply on the support exposed direct to sunlight or when it is expected that can rain during the drying period.

5.3 APPLICATION CHARACTERISTICS

Product preparation:	Stir until completely homogeneous.
Thinning:	Anti-spatter roller/Brush: dilute first coat 10 % and following coats 5 % with water. Airless spray: if necessary thin up to 5 % with water.
Application:	Apply 2 to 3 coats of Nováqua HD. A tip size of 0.38 – 0.43mm (0.015 to 0.017 inches) is recommended for airless spray application.

6 OBSERVATIONS

1 – This product was specially formulated to have less sensitivity to the appearance of sweating when application and drying occurs with severe environmental conditions (low temperature, high humidity and with conditions favourable to high condensations).

2 – Depending on the opacity of the selected colour, the application process, the characteristics of the support (absorption, roughness and colour uniformity), the contrast with previous colour and the dilution performed, may be necessary to apply additional coats to obtain a uniform finish.

3 – In some colours and in cases where the selected colour contrasts sharply with the colour of the surface, it is necessary to use as basecoat one of the following colours:

- M787 Basecoat for reds
- M786 Basecoat for oranges
- F203 Basecoat for blues
- M788 Basecoat for greens
- P905 Basecoat for yellows

7 HEALTH, SAFETY AND THE ENVIRONMENT

Protect the eyes and skin from contact; gloves, goggles and appropriate clothing should be worn. Keep out of the reach of children. Use only in well ventilated areas. Do not empty into drains. Keep the container properly sealed and stored in the correct place. Take correct measures when transporting the product so as to avoid any accidents that could rupture the can or cause damage to the packaging. Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions. Always take account of the appropriate legislation relating to the environment and Health and Safety at Work. For more information it is essential to read the label on the container and the product Material Safety Data Sheet.