

WALL PRO NANO PAINT



Silicone-based, self-cleaning paint for plaster & concrete



■ PROPERTIES

High quality silicone-based acrylic paint, highly durable to extreme weather conditions. Suitable for exterior use.

It does not absorb air pollutants from oxides such as nitrogen, sulfur, carbon, mud and soot from chimneys. Creates a strong barrier to protect wall surfaces, without any alteration of its color. It is water vapour permeable; but not water permeable, preventing the absorption of moisture from the external environment, thanks to its special nanomolecular silicone resins contained in its composition.

It is waterproof, has great coverage, strong adhesion and is easy to apply.

■ APPLICATIONS

WALL PRO NANO PAINT is ideal for applications on existing and new buildings. It presents the ideal choice for renovating and restoring building facades, mansions, neoclassical buildings, without altering their architecture or their 'character'. It offers long-lasting protection to buildings located in areas with high moisture concentration and adverse weather conditions (coastal or mountainous environments).

It prevents soiling of the exterior surfaces from both organic and inorganic pollutants, even when they lay on the exterior surface. Within its composition, the existence of nanocrystalline titanium dioxide along with the parallel action of its silicone resins, immediately develop a photocatalytic action of degradation of the pollutants. This results to a long-term protection of the exterior surfaces, in an industrial or polluted urban environment affected by various pollutants.

Exterior surfaces painted with WALL PRO NANO PAINT are self-cleaning with the help of rain, or easily cleaned with pressurized water.

Therefore, it shows high resistance to surface staining where it is applied and keeps the exterior surfaces clean for a long time, practically eliminating the need for frequent repainting.

■ USE

1. Substrate preparation

Concrete and marble-based plaster surfaces have to be dry, free from loose sections and oils, and at least 30 days after their construction.

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For new concrete surfaces, make sure to remove any formwork oils using BIOCLEAR INDUSTRIAL, the biodegradable oil cleaner. Continuing, apply two, 1mm thick coat each one, of the corrosion inhibitor RUST FREE POWER of DUROSTICK, on any exposed rebars. Once dry, cover the rebars with the rapid set repair mortar with corrosion inhibitor DS-247 of DUROSTICK or use the thixotropic and rapid set repair mortar DS-245 POWER MORTAR RAPID of DUROSTICK. Finally, prime with SOLVENT BASED PRIMER of DUROSTICK, diluted with THINNER 101 or white spirit.

For new marble-based plaster surfaces, sand them down using #60 sandpaper and prime using 100% ACRYLIC PRIMER, AQUAFIX, the micromolar stabilizer, or SOLVENT BASED PRIMER of DUROSTICK.

Surfaces with green and black spots, and surfaces with mold, after being cleaned with DUROSTICK's D-95 CLEANER, thoroughly rinsed, and dried, they are primed with SOLVENT BASED PRIMER or micromolar stabilizer AQUAFIX.

For skimming or spackling, use STUCOFIX paste, STUCOFIX-P, POWDER COAT, GRANULAR ULTRA or GRANULAR of DUROSTICK, or any combination of the above, depending on the surface imperfections and smoothness of the finish required. Follow by priming the surfaces.

Already painted surfaces, require just two coats of the chosen DUROSTICK paint.

Surfaces soiled with soot and air pollution, are cleaned with the biodegradable cleaner BIOCLEAR (for nicotine and soot) or are primed with METAL PRIMER of DUROSTICK.

For peeling surfaces, remove all loose sections and prime using 100% ACRYLIC PRIMER, or AQUAFIX, the micromolar stabilizer of DUROSTICK.

Marble- based plaster surfaces with severe crack, are sealed with fast setting repair plaster D-32. Concrete surfaces are sealed with repair mortar D-55

of DUROSTICK and primed afterwards. Especially on surfaces with intense expansions and contractions, the application of the water repelling, flexible plaster, HYDROSTOP PLASTER ELASTIC or the innovative and flexible, multipurpose, repairing cementitious m.

Fill the joints around door and window casings, by using the paintable ACRYLIC CAULK for interior use, the elastomeric sealant DUROFLEX-PU of DUROSTICK for exterior use, or the versatile sealant and adhesive DS-POLYMER.

2. Application

Dilute WALL PRO NANO PAINT with water, at a ratio of 5-10%, depending on the substrate, and mix well. The Dark base is diluted with water, at a ratio of 2-5%. Apply 2 coats using roller, brush, or airless spray gun.

Apply the second coat after the first one is completely dry.

■ CLEANING

Clean all tools with water, and if need be with soap or detergent solution, immediately after use.

■ COVERAGE

Approximately 10.5-12m²/lt per coat, depending on the texture, the absorbency of the surface and the application method.

■ STORAGE

Store in places protected from sunlight and frost, for 18 months from production date.

■ SAFETY DIRECTIONS

The product needs no hazard labeling under current European and National legislation. However, it is recommended to keep the product away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

■ LIMITATION OF USE

Do not apply with temperatures below +8°C or if there is a chance of rain or frost within the next 12 hours.

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■ PACKAGING

3lt container (on a 120pcs pallet)

10lt container (on a 48pcs pallet)

TECHNICAL SPECIFICATIONS	
■ Color	White that does not yellow over time
■ Colors	20 basic DUROCOLOR liquid pigments in 20ml syringe packaging, that create 120 permanent colors. The Pal and Dark paint bases are colored via the COLOR COLLECTION System in any desired color.
■ Washability	> 22.000 cycles (per DIN 53778)
■ Gloss	Matte
■ Drying time	2-3 hours (touch dry), depending on the ambient conditions (temperature - humidity)
■ Recoating time	6-8 hours, depending on the ambient conditions
■ Application temperature	From +8°C to +35 °C

V.O.C. (Volatile Organic Compounds):

Limit value of maximum V.O.C. content per EU (Directive 2004/42/CE) for the particular product (Class A/c: 'Coatings for exterior walls of mineral substrate' Type WB): 40gr/lt (2010). The ready to use product contains maximum 39gr/lt V.O.C.

DUROSTICK S.A.,
 MANUFACTURING OF ADHESIVES,
 PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
 Tel: +30 211 60 03 500-599, +30 210 55 16 500,
 +30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
 STREET, DA 10, GR: 570 22,
 Tel: +30 2310 795 797, +30 2310 797 365,
 Fax: +30 2310 797 367
 Email: info@durostick.com

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