

6.4 Acrylic paints for plaster & concrete

WALL PRO NANO PAINT Silicone based, self cleaning paint for plaster & concrete



TECHNICAL SPECIFICATIONS (Measurement conditions 23 °C and 50% R.H.)

Available 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
Flammable	No

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

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

CONSUMPTION

1lt/10.5-12m² per coat, on properly prepared surfaces.

STORAGE

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

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.

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.

PACKAGING

3lt (4.5kg) container (on a 120 pc pallet)
10lt (14.5kg) container (on a 48 pc pallet)

PROPERTIES

High quality silicone based acrylic paint, suitable for use on exterior wall surfaces. Highly resistant to adverse weather conditions.

Due to its innovative composition, it does not allow the absorption of air pollutants derived from nitrous, sulfur, and carbon oxides, mud rain, and soot from chimneys, thus creating a powerful protective barrier for wall surfaces. It prevents discoloration. It is water vapour permeable; at the same time water repellent. It prevents the absorption of moisture from the external environment, thanks to its special nanomolecular silicone resins contained in its composition.

Due to its excellent permeability, it allows water vapours to escape through the walls, successfully combining the waterproofing of the masonry surface with its efficient breathability. It presents unique coverage, strong adhesion over sound substrates, and very good workability.

APPLICATIONS

WALL PRO NANO PAINT can ideally be applied on existing (pic.1) and new buildings. It offers long lasting protection to buildings located in areas with high moisture concentration and adverse weather conditions (coastal or mountainous environments). It presents the ideal choice for renovating and restoring building facades, mansions, neoclassic buildings, without altering their architecture or their 'character' (pic.2.3).

It prevents soiling of the outer surfaces from both organic and inorganic pollutants, even when they lay on the 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 in a long lasting protection of the exterior surfaces, both in industrial or urban environments affected by various pollutants.

Finally, external wall surfaces painted with WALL PRO NANO PAINT are easily cleaned with the help of the rain, or with a garden hose.

Due to all of the above, WALL PRO NANO PAINT presents high resistance to the soiling of the surfaces it is applied on, maintaining them clean for many years to come; practically eliminating the need for frequent repainting.

USE

1. Substrate preparation

Concrete and marble based plaster should be dry and free from loose materials. Paint them at least 30 days after their construction.

For new concrete surfaces, make sure to remove any formwork oils using the biodegradable oil cleaner BIO-CLEAN INDUSTRIAL.

Then, apply two, 1mm thick coats each one, of the corrosion inhibitor RUST FREE POWER of DUROSTICK, on any exposed rebars. Once dry, cover the rebars with the repair-



pic. 1

ing mortar DUROFIX of DUROSTICK. Finally, prime with SOLVENT BASED PRIMER of DUROSTICK, diluted with THINNER 101 or white spirit (1:1 dilution rate), or use HYDROSTOP SILICONE PRIMER to enhance the bonding strength of both silicone paints and plasters.

For new marble based plaster surfaces, sand with #60 sandpaper, then prime as described above.

For skimming or spackling, use 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. Prime with micromolar stabilizer AQUAFIX or HYDROSTOP SILICONE PRIMER of DUROSTICK.

Already painted, sound surfaces, require just two coats of WALL PRO NANO PAINT.

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

For peeling surfaces, remove all loose materials and prime using the micromolar stabilizer AQUAFIX of DUROSTICK.

Marble based plaster surfaces with severe cracks, are sealed

with fast setting repair plaster D-32. Concrete surfaces are sealed using repair mortar D-55 of DUROSTICK and primed afterwards, as described before.

Especially on surfaces with intense expansions and contractions, the application of the water repelling, flexible plaster, HYDROSTOP PLASTER ELASTIC or the innovative and flexible, multi-purpose, repairing cementitious mortar, MEGAFIX of DUROSTICK,

is highly recommended.

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 for interior/exterior use, DS-POLYMER, available in 32 colors.

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 rate of 2-5%. Mix well. 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 detergent solution, immediately after use.

