

Product Description

Nano 360 is a paint of superior quality that is exceptionally long-lasting due to its highly innovative Nano-composite binder, which combines the rigidity of inorganic binders with the elasticity of organic binders. It is a new iteration of nano-composite acrylic binder technology for exterior surfaces with exceptional exterior durability. Nano 360 is specially formulated with an innovative, ground-breaking, and one-of-a-kind Nano-pure acrylic binder in combination with other premium quality raw materials, which reduces maintenance intervals and lengthens the life cycle of paint structures. Nano 360's unique formulation provides a durable and long-lasting finish with superior resistance to dirt accumulation. Nano 360 provides exceptional protection against the deteriorating effects of UV rays, in addition to non-yellowing, superior gloss retention, and excellent resistance to water whitening, allowing walls to withstand harsh climatic conditions for an extended period of time. Nano 360 is available in more than a thousand vibrant, long-lasting colour options. Nano 360 prolongs the life of your facades by providing the greatest possible resistance to dirt accumulation and keeping exterior surfaces clean for longer periods.



Nano360 is suitable for interior and exterior Masonry walls and ceilings consisting of the following:

- Primed Walls with cement plaster /Concrete
- Sound existing emulsion paint coatings; sheathing boards such as fibre cement board, calcium silicate board, gypsum board etc.

Physical Properties

Volume of Solids:	57± 2%
V.O.C:	15 g/L
Specific Gravity:	1.31
Thinner/Cleaner:	Potable clean water
Dilution:	10% with Water
Application temperature:	Min: + 5°C to Max + 40°C
Application Tool:	Paint Roller, Brush, Airless Spray Machine
Finish:	Matt
Packing size:	3.75 litres & 18 litres
Shelf life:	24 months

Film Thickness and Spreading Rate

Dry film thickness	Wet film thickness	Theoretical spreading rate
55 - 65 µm	90- 110 µm	5.0 – 7.5 m ² /litre (Per Coat)

*Spreading rates are indicative per coat, due allowance and wastage factor should be considered in practical application. This indication does not take into account usage for spilling or loss on site. The figure may also vary according to substrate or application conditions. The exact rate of consumption for your particular project is best established by a trial application on site and executed by your desired applicator.

Technical Information Issue: April'2023

This document's recommendations and application instructions are based on our most recent technical expertise. We cannot be held liable for its content due to the great variation of particular project requirements. These instructions do not absolve the purchaser or user of their obligation to assess the product's suitability in light of the project's specific requirements. When a new version is published, these instructions are to be regarded as null and void. We retain the right to alter the provided information without additional notice. Our most recent version of our general terms of sale and delivery is applicable.

Technical Data Sheet

Nano360

Advanced Nano-Composite, Extremely Durable, Acrylic Hybrid Binder Based Exterior Emulsion Paint



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Drying Time

Substrate temperature	10°C	25°C	40°C	
Touch dry	4	2	1	h
Dry to over coat	12	6	3	h
Ready for stress	96	48	24	h

**The material dries out physically from water evaporation. In general, drying time depends on air flow, temperature, film thickness, the number of coatings, and relative humidity. Only use the information provided as a guideline for each coat. Actual drying time before recoating may vary based on factors such as film thickness, ventilation, humidity, underlying paint system, demand for early handling, mechanical strength, etc. The statistics provided are typical with good ventilation (outside exposure or free air circulation), a typical film thickness, and a topcoat over an inert substrate, and a relative humidity of 70%.*

Guiding data for airless spray equipment

Spraying angle	:	50° - 80°
Nozzle size	:	0.018" - 0.026"
Pressure	:	150 - 180 bars

**The above-mentioned spray specifications are provided as a general guide only; other factors that may affect tip and operating pressure selection include fluid hose length, diameter, paint temperature, and project complexity. Filter cleanliness should always be checked.*

Storage and Handling

- Keep out of reach of children.
- Avoid contact with Skin and eyes.
- 24 months when stored in warehouse conditions below 35°C in the original, unopened packs.
- The product must be kept in in cool, dry well ventilated space and away from source of heat and ignition.
- Containers must be kept tightly closed and always handle with care.

Health and Safety

- Always make sure there is adequate ventilation while applying and drying.
- When applying paint indoors via spray, use suitable air-supplied breathing apparatus and avoid inhaling vapors or spray. Respiratory equipment needs to be appropriate for the job and meet necessary criteria.
- It is advisable to use appropriate protective clothes, eye protection, a dust mask, and gloves when applying paint.
- If eye contact occurs, rinse with lots of water right away and get medical help.
- To clean droplets from the skin, use soap, water, or an approved skin cleanser. Use or store nothing by hanging anything from a hook.
- Materials and all packaging associated with them must be disposed of safely and in line with all local authorities' regulations.
- Prevent product from entering wadis, watercourses, drains, and soil.
- To be recycled, only empty containers should be used.
- Requests for Material Safety Data Sheets (MSDS) will be honored.

Disclaimer

This technical data sheet's material is based on both laboratory studies and real-world practical experience. It is the user's obligation to confirm that the product is appropriate for the use for which it is intended. Because Caparol has no control over the frequent usage of its goods in improper situations, we are unable to take responsible for any consequences associated with their use. We have the right to make changes to the data sheet's contents at any time and without prior notification. For advice on applications, we suggest speaking with Caparol in order to assure product performance and suitability.

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