

Nano Stone ENHANCING

PRODUCT DATA SHEET AND APPLICATION GUIDE

DATA SHEET

DESCRIPTION

NaNo Stone Enhancing sealer is a water-based, penetrating sealer that is used widely in the building industry. It is used as a 'hydrophobic', water repelling protection for concrete, every type of natural stone or other absorptive mineral substrates. It is suitable for both interior and exterior use. It is perfect as an undercoat for NaNo Stone Multipurpose sealer.

It darkens and polymerises below surface structures. A subsequent surface layer is needed for surface protection. The coating should protect the treated substrate for at least between ten and twenty years, assuming no mechanical forces are applied to treated surfaces.

The quantity of sealant required depends mainly on absorptive properties of the surface being treated. It is important, however, not to economize on the agent, as only when fully-absorbed and well-bonded does this product guarantee 100% efficiency.

SCOPE OF USE

It is suitable for use on vertical and horizontal mineral surfaces such as: concrete, mineral facade, concrete floor, clinker, setts, concrete fencing, flagstones, bricks, as well as every natural stone type, including, for instance: marble, granite, sandstone.

NaNo Stone Enhancing sealer is used as an undercoat but also as a top layer on some vertical surfaces. It can be used to enhance colouration, but should you use in conjunction with more penetrating sealer - less of this will be necessary due to the water repellent properties of **NaNo Stone Enhancing**.

PROPERTIES

NaNo Stone Enhancing sealer totally reduces water absorption and damage caused by compounds that penetrate the surface, e.g. chlorides and salts (sandstone, for instance, significantly reduces absorption). It also stops chemical basic or quartz reactions occurring in concrete, ensuring no corrosion of concrete. It offers high resistance to extreme weather conditions and is resistant to surface friction as it contains titanium. It seals cracks in stone up to 0.3mm. It protects surfaces from moisture and contamination giving a darkened, 'wet stone' effect.

NaNo Stone Enhancing sealer has a limitless life, making it highly economical and adding value to treated structures.

SAFETY

The product is generally recognized as safe and biodegradable. There are no health concerns once applied. Do not swallow. Keep out of reach of children.

STORAGE

The product should be stored in dry and frost free environment. Its shelf life is 2 years and once opened, it should be used up.

PACKAGING

0.5 litre rectangular tin with berg closure
1 litre rectangular tin with berg closure
5 litre jerry can with safety cap
10 litre jerry can with safety cap

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DIRECTIONS FOR USE

This sealer can be easily distributed over a level surface. Surfaces should be dry and clean prior to treatment, to obtain the deepest possible penetration. Do not use during strong wind or rain; **NaNo Stone Enhancing** should definitely have no contact with water prior to or during application.

NaNo Stone Enhancing may be applied by spraying or with a brush, or by pouring over bigger surfaces, for example using a watering can, until the substrate is soaked with the agent.

After application, wait for several minutes making sure that the substrate continues to shine, due to excess liquid, then distribute it again. After 30 to 40 minutes apply **NaNo Stone Enhancing** again (or another selected product from our NaNo range, e.g. NaNo Stone Multi-Purpose) and rub in using a brush. This ensures full saturation of the surface and enables optimum absorption, thereby guaranteeing complete efficiency.

On horizontal surfaces apply **NaNo Stone Enhancing** as the second layer and the third one in the 30 to 40 minute intervals onto level surfaces to ensure oil repellent (oleophobic) properties.

The smartness of this solution lies in its effective and even penetration. Users need have no concern about uneven colour. When the sealer is applied onto vertical surfaces, uniformity of application can be perfected for up to around half a minute via bottom-to-top smoothing out. This ensures the wall will shine uniformly over the entire surface. Bonding and complete gelling with surfaces takes 10 to 12 hours. 100% effectiveness comes after 24 hours.

IMPORTANT GUIDANCE

Due to the content of water, this impregnating solution is not frost-proof. It cannot be used at temperatures below +2°C, therefore. The recommended air and substrate temperature is 10°C to 40°C.

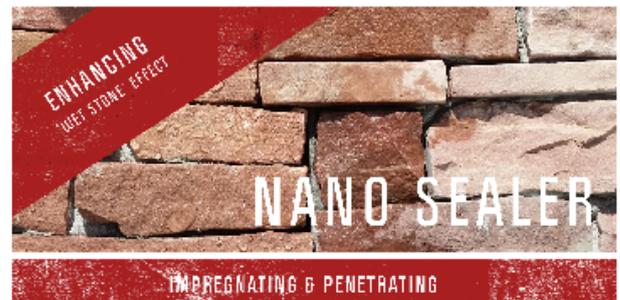
Do not use on polished surfaces.

PLEASE NOTE

Always test the effectiveness and suitability by testing the sealer in an inconspicuous area. These treatments embellish the surfaces treated, guarantee optimal useful properties and ensure the longevity of the facade.

EFFICIENCY

1 litre per 10 - 15 m² (two layers) - depending on type of surface and its absorption properties.



NANO STONE

ENHANCING - 'WET STONE EFFECT'

For all types of natural and artificial stone
brick, concrete, granite and other porous mineral surfaces

USES ADVANCED NANO TECHNOLOGY
REPELS WATER, DIRT, OIL AND GREASE
REDUCES WATER ABSORPTION - 'WATER BEADING EFFECT'
PENETRATES DEEP ALLOWING SURFACE TO BREATHE
SEALED SURFACES STAY CLEAR LONGER