

Nano Stone Multi-Purpose

PRODUCT DATA SHEET AND APPLICATION GUIDE

DATA SHEET

DESCRIPTION

NaNo Stone Multi-Purpose is a solvent-free, water based solution. It is almost free from volatile organic compounds and is used to protect absorptive mineral materials. The substrates penetrated with **NaNo Stone Multi-Purpose** protecting sealer stay clean longer and remain free from staining after rain, contaminating particles or dust which can cling to facades, walls, floors or terraces. It also protects surfaces from contamination caused by liquid taints, such as coffee or tea that absorb quickly into unprotected surfaces and leave permanent stains.

NaNo Stone Multi-Purpose treated surfaces possess hydrophobic and oleo-phobic properties, making it stronger than other sealers. It is much more resistant to friction and even where surfaces become damaged, deeper penetration still protects against humidity. On treated surfaces the water forms into droplets ('water-beading' effect), because the surface tension of the sealer's constituents is so small that water does not adhere to the surface.

SCOPE OF USE

NaNo Stone Multi-Purpose can be used for easy cleaning of many otherwise porous mineral vertical and horizontal surfaces. It offers particularly useful protection for: brick, sandstone, clinker, tiles, concrete and reinforced concrete, setts, marble and granite, or other absorptive mineral surfaces that have not been polished. It is suitable for both internal and external applications.

SAFETY

NaNo Stone Multi-Purpose is generally recognized as safe and biodegradable. There are no health concerns once applied. Do not swallow. Keep out of reach of children. Safety data sheet available.

PROPERTIES

NaNo Stone Multi-Purpose penetrates into absorbent mineral surfaces and forms a vapour-permeable impregnated layer with hydrophobic and oleo-phobic properties i.e. it repels water and oil based liquids. Unlike silicone based sealers, it lacks the sticky resin. It creates a very good water pearling effect on absorptive mineral substrates for efficient run off. It prevents the penetration of water based dirt, oil and grease as well as general staining. **NaNo Stone Multi-Purpose** limits the growth of lichen, algae and other microorganisms or eliminates it altogether.

Treated surfaces remain clean for a longer period of time and can also be cleaned easier.

No sealant with nano-molecules, such as **NaNo Stone Multi-Purpose**, with their permeating and bonding action can be eliminated from the surface without physical force and destroying the material. This is not the case with silicone that perishes merely under the influence of weather conditions (i.e. acid rain, temperature variation, sunshine, frost or ice). Coating durability is virtually unlimited. It is UV resistant and does not yellow.

STORAGE

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

PACKAGING

1 litre jerry can with safety cap
5 litre jerry can with safety cap
10 litre jerry can with safety cap

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DIRECTIONS FOR USE

Prior to treatment, the surface must be dry and clean. Firstly remove any adherent contaminants or remnants of detrimental substances such as lichen, algae and moss. If the surface absorbed water as a result of prior cleaning, the surface should be dried prior to application of the sealer. Fresh cement mortar must be allowed to harden and dry prior to application. The best method for application of **NaNo Stone Multi-Purpose** is by spraying. However, a brush or a roller can be used just as well.

NaNo Stone Multi-Purpose should be applied in a top-to-bottom direction. The agent should be applied in a continuous manner. It is not necessary to pour subsequent layers, as these are generally unnecessary. If second coat is applied, however, take care not to pour excessive amounts, as the first coat will make the surface water repellent. The seal should be applied plentifully so that the surface shines for more than ten seconds due to excess agent. The excess agent will run down vertical surfaces, or on level surfaces it may be redistributed or can be totally wiped. However, no visible big drops should be left on level surfaces; they should be distributed after application.

Upon application of the first layer, the second one may be applied. If the previous layer has not dried completely, this is "wet-on-wet" application. The ideal gap between treatments should be at least 30 minutes, but not later than 60 minutes. The complete crystallisation and bonding with the substrate takes place after 10 to 12 hours, (the 'cross-linking' reaction). The surface acquires complete liquid repellent properties after 20 hours.

It is advised you do not cover the surface or allow any spillages or water on the area treated within the first 24 hours. Always wipe out any spills immediately.

IMPORTANT GUIDANCE

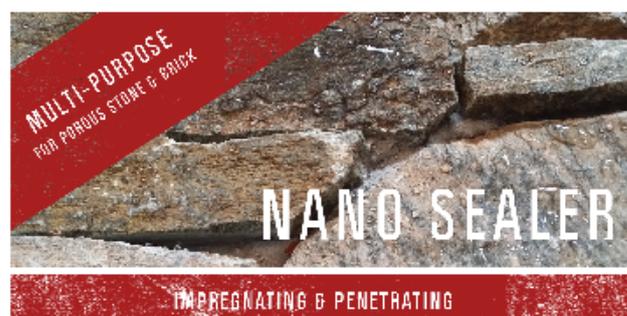
Due to the water content in this solution, **NaNo Stone Multi-Purpose** is not frost-proof, so cannot be used at temperatures below +2°C. The recommended air and substrate temperature is 10°C to 40°C.

PLEASE NOTE

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

EFFICIENCY

1 litre per 6-15 m² (two layers) - depending on type of surface and its absorption properties.



NANO STONE

MULTI-PURPOSE

All-round protection for natural and artificial stone brick, concrete, granite and other porous mineral surfaces

