

Starlike evo Extreme Performance Grout

Description

Nicobond Starlike evo Grout is an easy to use extreme performance grout that can also be used as a mortar and represents a new generation of high performance resin based grout using fine glass bead technology for a smoother finish. With ultra low VOC emissions, Nicobond Starlike evo safeguards the quality of air in the home and in the environment. Nicobond Starlike Grout is waterproof, stain & mould resistant and is extremely easy to clean. It has superb acid resistant properties and is very easy to mix, apply & clean off. When fully cured, Nicobond Starlike evo Extreme Performance Grout provides an attractive, smooth, durable and chemical resistant finish to the tiled surface.

Uses

Nicobond Starlike evoGrout is the extreme performance grout for use in bathrooms, wetrooms, kitchens and conservatories. It also offers extreme performance in commercial environments such as Hospitals, Swimming Pools, Food Preparation Areas and general industrial applications.

It is suitable for fixing and grouting all types of ceramic and porcelain tiles and mosaics It can be used on all conventional backgrounds as well as mild and galvanised steel and fibreglass. Also suitable for tiling swimming pools. As an adhesive conforms to BS EN 12004 which classifies the adhesive as an 'improved reaction resin adhesive with additional characteristics and reduced slip and as a grout to BS EN 13888.

Nicobond Starlike Sparkle Glitters can also be added to Starlike Grout to create a unique glitter effect.

Features

- Great appeal to designers
- Over 150 colour options to choose from
- Hygienic and chemical resistant
- Resists mould growth
- Ultras low Voc's
- Easy to apply and clean off
- Internal and external applications
- Suitable for walls and floors
- Ideal for Swimming pools



Application Data

Standard Colours	Absolute White, Silver Grey, Mid Grey, Slate Grey,
Consistency of Mix	Creamy Paste
Maximum adhesive bed thickness	10mm
Joint Width for Grout	1mm - 15mm
Coverage	Using a notched trowel at 3mm coverage 3kg\ m ² . Solid bed 5kg\ m ² . When used as a grout see grout guide.
Open Time	45 minutes at 20°C
Adjustability Time	15 - 20 minutes at 20°C
Pot Life	Approx 1hr at 23°C
Walk on Time	24 hrs at 23°C
Ready for grouting: Fast setting adhesives Normal set: Walls Normal set: Floors	Approx 4 hrs Approx 6 – 8 hrs Approx 24 hrs
Ready for service	Full cure after 5 days at 23°C
Installation Temperature	12°C - 30 °C
Serviceable Temperature	-20°C to + 100°C
Specific Gravity of mix	1.55kg/litre
Packaging	2.5kg plastic containers

Performance

EN 12003	Shear adhesive strength: ≥ 2 N/mm ²
EN 12808-2	Abrasion resistance: ≤ 250mm ³
EN 12808-3	Mechanical Flexural Strength after 28days in standard conditions: ≥30 N/mm ²
EN 12808-3	Mechanical Compressive Strength after 28 days in standard conditions: ≥45 N/mm ²
EN 12808-4	Shrinkage: ≤ 1.5mm/m
EN 12808- 5	Water Absorption after 4 hours: ≤ 0.1gm

The specification shall be Nicobond Starlike evo Extreme Performance Grout as manufactured by N&C Building Products Limited, 41-51 Freshwater Road, Chadwell Heath, Romford, Essex, RM8 1SP, England. Tel: 020 8586 4600 and shall be applied strictly in accordance with the Manufacturer's current data sheets and instructions.



Products for the Professional

Nicobond Starlike evo Extreme Performance Grout

September 2020

Surface Preparation

Surfaces to be tiled should be rigid, dimensionally stable, sound, clean and free from laitance, paints, salts, grease, dust and any contamination which may prevent adhesion.

Mixing

Starlike evo Extreme Performance Grout consists of two parts, a combined resin, filler and colourant which is supplied as a paste in the base of the pail and the hardener component contained in a bottle placed inside the pail. Pour the contents of the hardener into the pail ensuring it is completely empty. The two components should be mixed thoroughly until the paste has a uniform colour with a smooth texture, remember to mix thoroughly around the sides and at the bottom of the container. Inadequate mixing will result in the material not curing properly. Do not attempt to make up part mixes. The Starlike Grout is now ready for immediate use. If Nicobond Starlike Sparkle glitters are being used, mix the entire contents of the sachet of the appropriate glitter with the mixed grout until a uniform distribution of glitter has been achieved.

Bonding of the Tiles

Nicobond Starlike evo Extreme Performance Grout is suitable for fixing wall and floor tiles or mosaics. The grout may be slightly abrasive so care should be taken with tiles with a soft glaze or metallic finish. If in doubt always carry out a small trial prior to grouting.

When fixing tiles, mosaics, etc. the Nicobond Starlike evo Grout is spread over the surface with a trowel and combed with a notched trowel to give a ribbed mortar bed (use a 5mm square toothed and notched pattern for tiles and a 3mm square toothed and notched pattern for mosaics). The tiles are pressed into the ribbed mortar and thoroughly bedded in. Once bedded, the tiles can be adjusted within the working time of the mortar.

Grouting

The use of correct tools is essential when applying Nicobond Starlike evo Grout. Use the Nicobond Epoxy Float Grouter to work the grout into the dry joints, ensuring they are completely filled. Remove all excess mortar from the surface of the tiles with the edge of the float grouter. Any remaining material can be cleaned off within the working time using the correct Emulsifying pad with a little water and applying gentle pressure, working in circular movements to emulsify the residues on the tile face. Carefully remove the resulting slurry with a squeezed out sponge, wiping the tile surface once before rinsing again in clean water. To remove any remaining film of Starlike evo Grout residue from the surface, allow the grout to set for 24 hours and then apply Nicobond Resin Cleaner onto the surface. Use the white emulsifying pad in a circular motion to remove the haze. Wash off the surface with clean water and polish with a dry cloth.

NOTE: Do not leave traces of surplus Nicobond Starlike evo Grout on the face of the tiles as cleaning off at a later date is very difficult. The ideal temperature for application is between +18 and +23°C. At temperatures between +8 and +12°C the product is very dense and difficult to apply. The hardening time is also lengthened considerably. Do not add water or solvents to improve workability. Do not use for grouting terracotta or other products of a highly porous nature, if the grout becomes absorbed into the tile such as light coloured marble it will stain and cannot be removed therefore it is important to always test a small area before commencing the project.

Tile Fixing

Tile fixing should be carried out in accordance with BS 5385 and BS 8000 Codes of Practice for the installation of wall and floor tiles. Movement joints should be inserted in internal corners, at floor perimeters and other locations as recommended in relevant British codes of practice.

For advice on tiling to different substrates refer to the Nicobond Tiling Products the directory brochure.

Shelf Life /Storage

Store out of direct sunlight. Protect from frost. Nicobond Starlike evo Extreme Performance Grout has a storage life not less than 24 months if stored in original unopened containers.

Cleaning

Tools should be cleaned frequently in water to avoid the adhesive drying on. Residual grout must be washed off the face of the tiles before it dries.

Health & Safety Advice

PRECAUTIONS

During mixing and application of the Nicobond Starlike evo Extreme Performance Grout the following precautions should be observed:- ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin during mixing and application. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. In case of accidents seek medical advice. Keep away from children.

The relevant Material Safety Data Sheet can be obtained from www.ncnicobond.com or directly from N & C Building Products Ltd at the address below.

Patent

Nicobond Starlike evo Extreme Performance Grout is manufactured Under a Patented process.

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Products for the Professional

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September 2020

CHEMICAL RESISTANT TABLE							
(The table is a summary of chemical resistance made according to EN 12808)							
CHEMICAL RESISTANCE ON INDUSTRIAL FLOORS							
Group	Name	Conc. %	CONTINUOUS USE				Intermittent Use
			24 hours	7 days	14 days	28 days	
Acids	Acetic Acid	2.5	●	●	●	●	●
		5	●	●	●	●	●
	Hydrochloric Acid	37	●	●	●	●	●
	Citric Acid	10	●	●	●	●	●
	Lactic Acid	2.5	●	●	●	●	●
		5	●	●	●	●	●
		10	●	●	●	●	●
	Nitric Acid	25	●	●	●	●	●
		50	●	●	●	●	●
	Oleic Acid	-	●	●	●	●	●
	Vitriol	1.5	●	●	●	●	●
		50	●	●	●	●	●
		96	●	●	●	●	●
Tannic Acid	10	●	●	●	●	●	
Tartaric Acid	10	●	●	●	●	●	
Oxalic Acid	10	●	●	●	●	●	
Alkalis	Ammonia in Solution	25	●	●	●	●	●
	Caustic Soda	50	●	●	●	●	●
	Sodium Hypochlorite Conc. CL active	>10	●	●	●	●	●
	Caustic Potash	50	●	●	●	●	●
	Sodium Bisulphite	10	●	●	●	●	●
Concentrated Solutions 20°	Iposulphite Sodium		●	●	●	●	●
	Calcium chloride		●	●	●	●	●
	Sodium Chloride		●	●	●	●	●
	Ferric Chloride		●	●	●	●	●
	Sugar		●	●	●	●	●
Oils and Fuels	Petrols, Fuels		●	●	●	●	●
	Turpentine		●	●	●	●	●
	Gas Oil		●	●	●	●	●
	Olive Oil		●	●	●	●	●
	Lube Oil		●	●	●	●	●
Solvents	Acetone		●	●	●	●	●
	Ethylene Glycol		●	●	●	●	●
	Glycerine		●	●	●	●	●
	Ethyl Alcohol		●	●	●	●	●
	Solvent Petrol		●	●	●	●	●
			●	●	●	●	●
Peroxide Water	10	●	●	●	●	●	
	25	●	●	●	●	●	

- Key**
- Excellent Resistance
 - Good Resistance
 - Poor Resistance

Although the information provided on this technical sheet represents the best of our knowledge and experience, it is intended purely as a guideline. The user must carry out preliminary practical tests for each specific job and is solely responsible for the final result.



Products for the Professional

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September 2020

Starlike evo Night Vision

Night Vision is an innovative photoluminescent additive which after being exposed to sunlight or artificial light transforms the grout from being a standard colour to a bluish luminescent colour. Illuminating the joints for several hours with a spectacular and eye catching effect without changing the original product colour.

Night Vision is for indoor use only

Night Vision is most effective when blended with the following Starlike evo colours.

110 Mid Grey	115 Pewter	120 Lead
205 Honey	208 Sand	210 Limestone
215 Taupe	225 Cappuccino	310 Powder Blue
320 Caribbean Blue	330 Sky	340 Denim
350 Sapphire	410 Emerald	430 Grass
500 Powder Pink	530 Purple Amethyst	600 Lemon



Starlike evo Crystal

Formulated from clear glass beads Starlike evo Crystal produces a translucent effect which absorbs the colour of the surrounding glass mosaic. We also offer a range of coloured crystal grouts which compliment popular translucent or opaque mosaics. Maximum joint width: Up to 3mm.

Starlike evo crystal shares all the features and benefits of Starlike evo, follow standard Starlike evo mixing procedure. Special FX finishes cannot be added to the this series.

Starlike evo Crystal is available in

700 Crystal	800 Nordic	810 Peppermint
820 Ice Blue	825 Frappe	830 Winter Rose

Mix the Nicobond Starlike evo according to the instructions and then blend in the contents of the 200gm sachet into the grout mixture until all the glitter has combined into a smooth and evenly distributed paste. As the additive is a very light weight component, handle with care when dispensing and mixing.

Starlike evo Metallics

Create five stunning metallic finishes by combining these vibrant metallic effect additives with Starlike evo 113 Neutral. This neutral colour shares all the features and benefits of Starlike evo. It is purely a neutral coloured version to which you add a metallic coloured additive. Follow the above procedure but blend in the contents of the 100gm sachet. Additional Special FX finishes cannot be added to this series.

Starlike evo Metallics are available in 5 colours:

- Platinum
- Gold
- Bronze
- Coper
- Rust

