



N&C Building Products Ltd.
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Registered in England
www.nichollsandclarke.com
Code: Y50640

Innovation has just evolved.



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Cardiff CF11 8AQ
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Fax: 029 2022 4356

Nicobond Factory

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Burslem ST6 3BJ

Tel: 01782 833330
(Pre-ordered Nicobond collections only)

Nicholls & Clarke
Est 1875

Trade Counters & Showrooms

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2 - 3 Albarn Close
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Tel: 01206 849300
Fax: 01206 845878

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Fax: 01442 279501

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Fratton Way, Southsea
Portsmouth PO4 8TA
Tel: 02392 894599
Fax: 02392 894598

25 Gunnels Wood Park
Gunnels Wood Road
Stevenage
Hertfordshire SG1 2BH
Tel: 01438 315400
Fax: 01438 740338

Leofric House
(Off Phoenix Way)
Waterman Road
Coventry CV6 5TP
Tel: 02476 705300
Fax: 02476 705301

E5 Copley Hill Trading Estate
Whitehall Road
Leeds LS12 1HE
Tel: 0113 243 5644

8A, St. Davids Road
(Entrance via Valley Way)
Swansea Enterprise Park
Swansea SA6 8QL
Tel: 01792 797337
Fax: 01792 774019



PROFESSIONAL
Nicobond

Professional Grout Collection



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PROFESSIONAL
Nicobond


Innovation has just **evolved**.

The Nicobond Professional Grout Collection offers an evolutionary, high performance range of superior quality grouting compounds that offer the professional tiling contractor market leading handling characteristics, whilst offering specifiers total peace of mind when specifying for the most demanding commercial or residential environments.

Research and development have led to innovative, patented, market leading formulations that offer unrivalled features and benefits as part of the Nicobond tiling system.

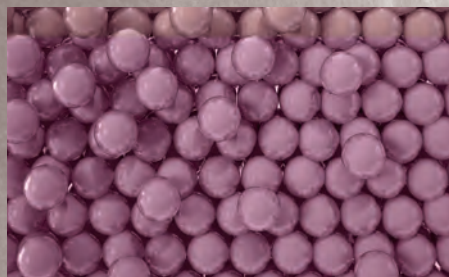
Our extensive range of grout colours is complemented by highly flexible silicone sealants offering a colour co-ordinated, perfect project finish.



“We have developed highly advanced product handling characteristics and formulations using microscopic, fine grain colourmetric beaded technology ”



Standard grain size



Micro granules used in Nicobond Grouts



Quartz micro granules coated in sintered colour for consistent, leak free colour



Fast Forward to Modern Day Grouting

Using the latest developments in glass bead colourmetrics, recycled and recyclable materials, Nicobond Starlike evo and Nicobond Super Grout pro are at the leading edge of grout technology.

They represent an innovative generation of building products designed for today and the future. Our environmentally-friendly building products consider not only the performance of the product but it's impact on the environment, whilst at the same time respecting the health and welfare of the end user and tile installer.

The fundamentals of colourmetrics are based on the process of sintering pigment onto micro granules of quartz to produce an array of fine coloured glass beads thus avoiding the release of pigments onto the surface tiles or mosaics, making cleaning easier and faster, which at the same time form the basis of the multitude of colours available in the Starlike evo and Super Grout Pro ranges.

Studies show that most VOC emission (Volatile Organic Compounds) occurs during application. The use of Nicobond Starlike evo with ultra-low VOC emission increases the safety of the tiler and end users while safeguarding the quality of air in the home and those who live there. The lack of pungent and unpleasant odours contribute to a safer and more user friendly workplace.

Our advanced formulation results in stain resistant grout that is extremely easy to apply & clean. The microscopic sintered micro spheres makes it possible to achieve uniform colour, as well as a highly smooth and compact finish to grout lines, without colour bleeding as there is no pigment present.

superior grouting

Superior fast track grouting, ready mixed, highly flexible and stain resistant polyurethane formulation in a re-sealable tub



5kg



Nicobond Super Grout Pro

A superior, ready mixed and ready to use, polyurethane grouting compound for wall and floor tile installations in kitchens and bathrooms, interior walls and floors, including non-rigid substrates such as timber floors or kitchen countertops, exterior walls and wall boards subject to vibration or deformation. Formulated using Colourmetric technology using fine grain quartz micro granules sintered and coated with a uniform layer of special colourant. No pigments are released on the surface of the tile making cleaning off easier and faster.

- Extremely easy to use
- Fast track grouting
- Up to 6mm joint widths
- Use with ceramic, porcelain & mosaic
- Use with wall and floor tiles
- Stain resistant
- Highly flexible
- Keep unused material for future use
- Water repellent
- Very low CO₂ / VOC emissions
- Available in 8 cool and warm colours
- Add special FX Glitter and Gold Sparkle
- Ideal for kitchens & bathrooms
- Use on non-rigid substrates (timber floors)

WARMES	COOLS
Limestone	White
Honey	Mid Grey
Cappuccino	Slate Grey
Coffee	Anthracite



exceptional performance...

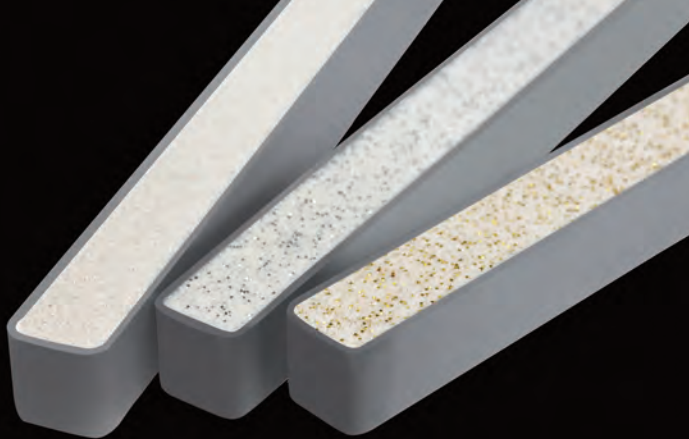


Easy to use, pigment-free extreme performance grouting

- Unique colourmetric technology
- Waterproof
- Stain and mould resistant
- Very easy to mix and apply
- Extremely easy to clean
- Superb acid resistance
- Up to 15mm grout joints
- Hygienic
- Highly durable
- Chemical resistant
- UV resistant
- Perfect for swimming pools & wellness areas
- Special fx Glitters or Night Vision available

Nicobond Starlike evo

A new generation of high performance resin based grout that is extremely easy to mix, use and clean off. Developed using the latest glass bead technology for optimum colour vibrancy. A two - part epoxy mortar with uv resistance that can be used for grouting and bonding ceramic, porcelain & mosaic tiles in bathrooms, wet rooms, saunas, swimming pools, kitchens and many commercial environments.



Starlike evo cool colours

STANDARD	GALAXY	SILVER	GOLD
100 White			
102 Pearl			
105 Silver Grey			
110 Mid Grey			
115 Pewter ▲			
120 Lead ▲			
125 Slate Grey			
130 Concrete			
140 Anthracite			
145 Black			

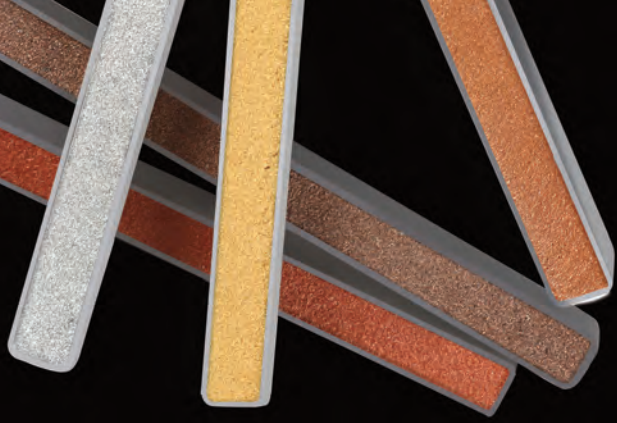
Starlike evo warm colours

STANDARD	GALAXY	SILVER	GOLD
200 Jasmine			
202 Cream			
205 Honey ▲			
208 Sand ▲			
210 Limestone ▲			
215 Taupe ▲			
225 Cappuccino ▲			
230 Coffee			
232 Leather			
235 Espresso			

Starlike evo vibrant colours

STANDARD	GALAXY	SILVER	GOLD
300 Pastel Blue			
310 Powder Blue ▲			
320 Caribbean Blue ▲			
330 Sky ▲			
340 Denim ▲			
350 Sapphire Blue ▲			
400 Mint			
410 Emerald ▲			
420 Grass ▲			
430 Pine Green ▲			
500 Powder Pink ▲			
530 Purple Amethyst ▲			
550 Oriental Red			
580 Brick Red			
600 Lemon ▲			

Night Vision is recommended for use with all Starlike evo colours marked with a ▲



Special fx

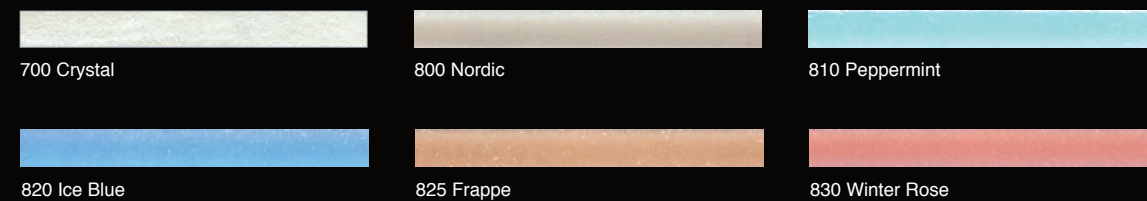
Metallics

Create five stunning metallic finishes by combining these vibrant metallic effect additives with the base compound Starlike evo Neutral 113. Starlike evo Neutral shares all the features and benefits of Starlike evo. It is purely a neutral coloured version to which you add a metallic coloured additive available in a 100 gram sachet. Additional Special fx finishes cannot be added to this series.



Crystal and Crystal Colours

Formulated from clear glass beads our crystal grout offers a translucent effect which absorbs the colour of the surrounding glass mosaic. Available in Crystal, a translucent finish and a range of 5 opaque crystal colours. Maximum joint width: Up to 3mm.



Night Vision

Night Vision is an innovative additive which after being exposed to sun or artificial light, emanates a luminous colour for several hours after dark, illuminating the joints with a spectacular and eye-catching effect. For indoor use only. Night Vision is recommended for use in all Starlike evo colours marked with a ▲. Night Vision additive is available in a 200 gram sachet which should be blended within 2.5kg of Starlike evo grout.



metallics

crystal

night vision

smooth operator...



COOLS	WARMS
White	Jasmine
Silver Grey	Cream
Mid Grey	Limestone
Slate Grey	Honey
Anthracite	Cappuccino
Black	Coffee

- Market leading handling characteristics
- Highly polymer modified
- Flexible - for use over timber floors
- Use with underfloor heating systems
- Fast setting
- Efflorescence free
- Aquablok technology - high water resistance
- Internal and external use
- Available in 12 popular colours
- 12 coordinating silicone sealants available
- Joint width: 2 - 20mm
- Pot Life: Approx 45-60 mins
- Setting Time: Approx 3 hours
- Ready for use: 8 - 12 hours
- Available in: 10, 2.5kg

Nicobond GroutPro Flexible

A highly polymer modified, flexible, fast setting range of wall and floor tile grouts suitable for ceramics, porcelains, and natural stones. This superior formulation is efflorescence free and has excellent anti mould properties. Aquablok technology reduces water permeability helping to maintain the grouts colour.

Market leading handling characteristics ensure that this grout is extremely easy to mix, apply and clean off. GroutPro Flexible is complemented by twelve high quality coordinating Silicone Sealants adding an enhanced finish to any project.

2.5/10kg





- Ultra-fine finish
- Water resistant
- Interior or exterior Use
- Ceramic wall & floor tiles, mosaics & natural stones
- Joint width – up to 4mm
- Pot life: approx 60 mins
- Setting time: 18-24 Hours
- Ready for use: 24 hours
- 20kg bag contains 8x2.5kg poly bags

Nicobond Tilers Grout

A brilliant white, ultra-fine, water resistant, wall and floor tile grout suitable for ceramics, mosaics, and natural stones. It offers superb handling characteristics and is highly compressive offering superb adhesion to ceramic tiles. For grouting porcelain tiles or grouting in demanding situations such as a leisure pool it is recommended to incorporate Nicobond Enhancer 2002.

2.5/5/10/20kg



- Market leading handling characteristics
- Highly polymer modified
- High abrasion resistance
- Suitable for commercial environments
- Flexible - for use over timber floors
- Use with under tile and under floor heating systems
- Fast setting – accepts foot traffic in 6 hours
- Efflorescence free
- Aquablok technology high water resistance
- Internal and external use
- Joint Width 3-15mm
- Pot Life: Approx 45-60 mins
- Setting Time: Approx 3 hours
- Ready for use: 6 hours

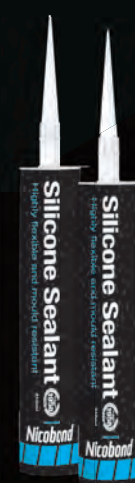
Nicobond Floor Tile Grout

A grey highly polymer modified, fast setting, abrasion, and water-resistant floor grout, that is especially formulated for use in commercial as well as domestic environments with ceramics, porcelains, and mosaics. This high-quality formulation is efflorescence free and has excellent anti mould properties. Aquablok technology reduces water permeability helping to maintain the grouts colour. Perfect for use over timber floors as well as over under tile and under floor heating systems. Market leading handling characteristics ensure that this grout is extremely easy to mix, apply and clean off.

10/20kg



finishing touch...



- Highly flexible
- Movement: $\pm 25\%$ of joint
- Working Life: Approx 5 mins
- Skinning Time: 10 - 25mins
- Full Cure Approx: 24 hrs
- Coverage: 9lm in 6 x 6mm bead
- Shore Hardness: (A scale) 25



- Coverage: 9lm in 6 x 6mm bead
- Full Cure Approx: 24 hrs
- Shore Hardness: (A scale) 13
- Movement: $\pm 25\%$ of joint
- Skinning Time: 10 - 15mins
- Working Life: Approx 5 mins

Nicobond Silicone Sealant

High quality rapid curing acetox cure silicone sealant for sealing around basins, bath surrounds and showers. Complying with ISO-F-25HM.

310ml

Nicobond Neutral Cure Silicone Sealant

A high quality low modulus neutral cure silicone sealant complying with ISO 11600 -F-25LM. With excellent adhesion to many building materials it has wide ranging applications including use in high humidity environments such as bathrooms, wet rooms, showers and kitchens. It is also suitable for use with ceramic, porcelain and natural stone.

310ml

Nicobond Starlike evo Resin Cleaner 1 Ltr

A concentrated liquid detergent with an alkaline pH especially formulated for the cleaning and effective removal of residues or film of epoxy resin mortars from tiled surfaces.

- Colour: Clear
- Smell: Peach
- pH: 12 \pm 0.5
- Coverage: 10-15m²/litre
- Available in: 1 Ltr bottle



Nicobond Starlike evo Resin Remover 500ml

A high density alkaline liquid gel detergent designed to remove stubborn epoxy resin mortar streaks and stains from the surface of ceramic tiles and mosaics

- Colour: White
- Smell: Characteristic
- pH: 12 \pm 0.5
- Coverage: 2-3m²/0.5 litre
- Available in: 500ml bottle



Nicobond Super GroutPro Cleaner 750ml

A high viscosity ready to use, eco-friendly liquid detergent designed for the safe and effective removal of Nicobond Super Grout Pro residues from the surface of tiles.

Nicobond Super Grout Pro Cleaner has been formulated using biodegradable materials with a neutral pH making it very safe for the consumer or tile fixer to use.

Supplied with a convenient spray applicator, it is fast acting on polyurethane residues which may be visible on the surface of porcelain and ceramic tiles. It can also be used as a degreaser for ceramic surfaces in kitchen areas

- Colour: Clear Gel
- Smell: Characteristic
- pH: 6.5 – 7.5
- Coverage: 10m² per bottle
- Grout: Leave to cure for 24hrs before application
- Available in 750ml bottle





Nicobond Grout Float
● Professional grout float with wooden handle
240 x 102mm. N2540100



Nicobond Epoxy Grout Float
● Light weight body with dense green rubber pad
N2540103



Nicobond Softgrip Float
● Float with softgrip handle and fixed hydro sponge
N2540094



Nicobond Softgrip Float with Hydro Sponge
Float with softgrip handle & replaceable block cut hydro sponge
● Float with replaceable block cut hydro sponge
280 x 140mm N2540096
● Replacement velcro block cut hydro sponge
N2540098



Nicobond Washboy
● 23 Litre professional cleaning set N2540104



Nicobond Cleaning Pads
Emulsifying cleaning pad handle and variety of pads
● Cleaning pad handle with velcro fixings N2540082
● Emulsifying pad fine (white) N2540084
● Emulsifying pad medium (brown) N2540086
● Emulsifying pad coarse (black) N2540088



Nicobond Bucket Trowel
● Specially shaped for effective use with buckets
160mm trowel N2540066



Nicobond Sealant Finisher
● 22mm - 35mm
2 Pack N2540196



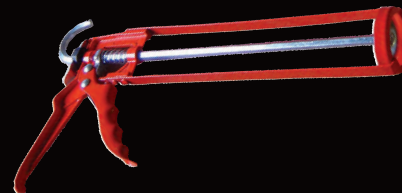
Nicobond Cartridge Nozzle Stop
● Plastic nozzle stop to prevent cartridge nozzles drying out
N2540270



Nicobond Grout Rake
● Grout remover with interchangeable carbide and saw blades
N2540090
● Spare blades N2540092



Nicobond Mixing Paddle
● Heavy duty mixing paddle
800 x 80mm N2540145



Nicobond Skeleton Gun
● For silicone sealant and gap filling adhesive cartridges
400ML N2540162



Nicobond Flexible Bucket
● 40 Litre Bucket N2540160
● 26 Litre Bucket N2540158
● 12 Litre Bucket N2540156



Flex MXE Cordless Paddle Mixer Kit
● Flex MXE 18.0-EC cordless 18v brushless mixer kit With 3-level speed switch, 2 X 5.0ah batteries & charger
H9307000



Sparky Heavy Duty Paddle Mixer
● 1050W motor and 2 speeds for controlled mixing, with M14 connection, and 2 paddles
240 volt H1199230
110 volt H1199231

Nicobond Tile Cleaner

Nicobond Tile Cleaner provides a gentle but powerful cleaning formula that will help maintain your wall and floor tiles in their original state, without leaving any residues.

1ltr N2540700



Nicobond Grout and Cement Remover

Nicobond Grout & Cement Remover is an acid based cleaner ideal for removing grout residues, building site dirt, efflorescence, rust stains and lime deposits.

This highly effective powerful cleaner specially formulated to deal with building work residues and general grime.

1ltr N2540702



Nicobond Colour Intensifier and Sealer

Nicobond Colour Intensifier and Sealer is a water-based, high performance sealer and enhancer which brings out the natural colour of stone and leaves a high sheen to the surface. It seals and protects against water penetration and liquid spills. For all polished & unpolished natural stone. One coat application.

1ltr N2540716



Nicobond Stain and Wax Remover

Nicobond Stain Remover is an advanced formula designed to remove wax deposits and unwanted stains from tiles. This easy to use stain remover is a highly effective product that will not leave any residues.

1ltr N2540724



Nicobond Tile and Stone Polish

Nicobond Tile & Stone Polish will leave your tiles with a deep lustre. This product is ideal to revive dull floors. It will re-polish traffic patterns, scratches, abrasions & some surface stains. Suitable for use on all ceramic, porcelain and natural tiles. For indoor use only.

1ltr N2540726



Nicobond Grout Protector

Nicobond Grout Protector protects grout from all types of stains and spills. Once treated, this product helps minimise water penetration and keeps grout in its original condition.

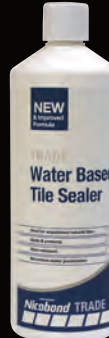
N2540720 500ml
N2540723 Aerosol 500ml



Nicobond Water Based Sealer

Nicobond Water Based Sealer provides maximum protection against stains and spills for your natural stone tiles. The sealer puts an invisible protection on your tiles preserving their natural appearance and will help enhance their lifespan and durability. A vapour-permeable barrier is formed that resists water and oil-based stains. One coat application.

1ltr N2540708



Nicobond Solvent Based Sealer

Nicobond Solvent Based Sealer provides maximum stain protection for polished surfaces while preserving the natural appearance of the tile and will help enhance their lifespan and durability. Forms a vapour-permeable barrier that resists water and oil-based stains. Ideal for porcelain.

1ltr N2540712



Nicobond Temporary Protection Sealer

A water based temporary protective sealer for tiles prior to grouting, which protects the surface against discoloration from pigmented grouts. Suitable for use on most surfaces including marble, ceramics, mosaics, natural stone, terracotta, etc. Used undiluted and applied in two coats prior to grouting.

2.5ltr N2540713



Nicobond Sealers & Cleaners - Cleaning, Protection & Maintenance

	INITIAL CLEANING	PROTECTION		REGULAR CLEANING	SPECIAL CLEANING
		NATURAL LOOK PROTECTION	COLOUR ENHANCEMENT		
SLATE	Grout & Cement Remover	Water Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Stain & Wax Remover
UNPOLISHED NATURAL PRODUCTS	Grout & Cement Remover	Water Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Stain & Wax Remover
HONED NATURAL PRODUCTS	Grout & Cement Remover	Water Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Stain & Wax Remover
POLISHED NATURAL PRODUCTS	Tile Cleaner	Solvent Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Tile Cleaner
HONED APPLESTONE	Tile Cleaner	Water Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Stain & Wax Remover
LIMESTONE	Tile Cleaner	Water Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Stain & Wax Remover
GRANITE	Tile Cleaner	Solvent Based Sealer	Colour Intensifier & Sealer	Tile Cleaner	Tile Cleaner
POLISHED/UNGLAZED PORCELAIN	Grout & Cement Remover	Solvent Based Sealer	unrequired	Tile Cleaner	Stain & Wax Remover
RUSTIC PORCELAIN	Grout & Cement Remover	unrequired	unrequired	Tile Cleaner	Stain & Wax Remover
GROUT		Grout Protector	unrequired	Tile Cleaner	Grout Cleaner or Mould Remover

Nicobond Grout - Technical Area.
EN Standards explained

Nicobond Tilers Grout/ Floor Tile Grout/Grout Pro Flexible
EN13888 General Classification for cement based grouts Type C class G

CG1 Normal cementitious grout
CG2 Improved cementitious grout with additional characteristics

Nicobond Starlike evo
EN13888 General Classification for Reaction Resin Grouts Type R class G.

RG Reaction resin grout

EN12004 General Classification for Epoxy resin adhesives categorised as Reaction Resin Adhesives Type R.

R2T Improved reaction resin adhesive with additional characteristics and reduced slip

Nicobond Super Grout Pro
No classification for ready mixed polyurethane grouts.

Reference Documents
The recommendations in this publication and on our website www.ncnicobond.com are made in good faith for the guidance of specifiers and users. Clarification of any system employed must be sought from the local branch or Technical Team before commencing work. Our company pursues a policy of continuous research and development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, since conditions of use and workmanship are outside our control, the advice is given without responsibility on our part. Please always ensure you are working from the current copy of our directory. Any colour representations in this publication are as near to actual as the printing process will allow. Colours should always be selected from an actual sample prior to use. The same colour name may appear in several product groups, particularly with grouting compounds. Due to the varying nature of the groups this should not be construed as meaning the colour will provide an exact match. All colours should be checked for suitability prior to the commencement of work.

Always use clean mixing equipment and tools, which should be washed in water immediately after use. Residual grout must be washed from the face of tiles before it sets, particularly in situations where Nicobond Enhancer 2002 or resin based products have been used.

When mixing cement based adhesives, grouting compounds and screeds the powder must always be added to the liquid. In the majority of instances on site a quicker, smoother mix will be achieved by using a Nicobond mixing whisk in a slow speed electric drill to blend the powder/liquid elements.

Coverage figures quoted do not include wastage and are dependent upon the condition of the surface and type of tile. All quoted setting times are given in good faith and established in a controlled laboratory environment at 20°C and 50% relative humidity. This is to ensure consistent results; however adverse weather or site conditions may extend or shorten these times. Nicobond Silicone Sealant should always be used to seal between surfaces subject to any differential movement such as where tiles abut or between tiled wall & shower tray, also for filling expansion joints in vertical surfaces.

Nicobond Enhancer 2002 is a performance enhancing liquid additive which is suitable for use with a number of our cementitious based products including Nicobond Tilers Grout. The mixing ratio for this is per 2.5kg bag is 175ml Nicobond Enhancer 2002 : 675ml Clean Water.

Nicobond Floor Tile Grout and Nicobond Grout Pro Flexible are highly polymer modified and do not generally the addition of Nicobond Enhancer 2002.

Grouting Notes
Ensure that the adhesive has set, that all joints are dry, clean and free from all loose materials. Check that the grout selected is correct in terms of joint width and depth and relevant to the service conditions. Do not grout more than 1 - 2m² at a time.

Tiles with a soft glaze or Metallic finish such as silver or 18 carat gold are prone to scratching; care must be taken in the selection of the grout to ensure it is not too abrasive for the tile chosen. If in doubt always carry out a small trial prior to grouting tiles which have been fixed to impervious surfaces such as concrete, glazed brick, existing glazed tiles or oil based paint should not be grouted for several days after completion of fixing, this will allow the moisture from the adhesive to dry out through the joints.

Grouted swimming pools should remain empty for 3 weeks before being filled with ‘balanced’ water. Pools may be filled with salt water if desired, except where the sulphate content is very high.

Using the Nicobond Grouter or Nicobond Float Grouter the grout must be worked well into the tile or mosaic joints ensuring that they are completely filled. Immediately remove any surplus grout from the tiled surface. Before the grout sets wipe the complete area with a clean, damp sponge, avoiding products e.g. highly pigmented sponges, which may cause the grout line to discolour. Tile joints should then be finished off to the desired effect. Final polishing of the tiles may be carried out with a clean dry cloth once the film of grout remaining on the surface has dried. Allow grout to fully dry before bringing into use. When re-grouting an existing installation ensure that the old grout has been thoroughly raked out of the joints, taking care not to damage the glazed edges of the tiles.

Excessive use of water when mixing or during application may cause shade variation, efflorescence, pin holing or dusting of the grout and must be avoided. If using acid or chemical systems to clean grouted installations grouted with cementitious products it is essential to pre-soak the grout lines with clean water. Clean water must also be used to thoroughly wash off all remaining traces of the cleaning system.

With all cementitious grouting compounds it is important to follow the recommended ratio given for mixing powder to water and to employ the same technique when finishing the grout line. Should water ratios vary excessively this can effect the final colour, as will different methods of finishing off. For large floor areas, rotary floor scrubbing machines fitted with special squeeze blades can be used to rapidly consolidate grout into the joints and assist in the cleaning process.

Coloured Grouting
Before any coloured grout is applied we recommend that a trial be carried out on a sample tile to ensure that staining of the tile surface or tile edges does not occur since N&C Building Products Limited will not accept responsibility for staining. High strength pigments are used in the manufacture of all Nicobond Coloured Grouts, however care should be taken in the selection and application of cleaning and maintenance chemicals as otherwise, some discolouration may occur. Waterborne chemicals in swimming pools may cause a bleaching effect and we do not recommend the use of coloured grout, other than epoxy based material. Aggressive or unbalanced water will have a detrimental effect on any cementitious grouts and in extreme cases, any epoxy product.

Discolouration In Tile Grouts
Grout discolours because of poor installation techniques, improper cleaning methods, laitance, and improperly cured setting beds. Colour differences can occur in different parts of an installation because the grout is allowed to cure at different rates. Uneven curing causes uneven colour. Inconsistent mixing and installation techniques also cause uneven colour.

Common causes of grout discolouration
Darker colour Lighter Colour
Absorptive tile Non-Absorptive tile (fully vitrified/porcelain)
Low humidity High humidity
Dry grout mix Wet grout mix
Late finishing process Early (wet) finishing process
Deep joints Shallow joints

White Grout turning Yellow?
Tile adhesive and grout manufacturers have highlighted a phenomenon whereby under certain conditions standard grade white cementitious tile grouts turn yellow. This condition is totally unpredictable and so far has proved to be an unsolvable conundrum in so far as standard grade grouts are concerned. The information we have is that this problem does not occur with highly polymer modified grout products.

The circumstances are so bizarre that a number of rooms in a dwelling can be grouted with the same grout yet not all rooms are affected. The tile fixer can use the grout in one location e.g. kitchen and it remains white yet move to another location e.g. the bathroom and the same material from the same bag of grout turns yellow.

The fact that these inconsistencies arise has led the manufacturers to the conclusion that the grout is not faulty – indeed if in other areas the grout has remained white then the claim is justified.

From reports received, it is apparent that it occurs in high humidity locations such as bathrooms and that light and heat also have a role to play, one report cited an example whereby the whole of the bathroom wall grouting turned yellow with the exception of an area behind the towel rail which remained white. There are suggestions that the problem is regional i.e. in soft water areas (but it has been reported in hard water areas also), that it is seasonal with a higher proportion of complaints being received in the Spring and Autumn with virtually none in the Summer. From the manufacturers perspective all manner of tests have been carried out from close examination of all the raw materials to the products end use, the difficulty is that it is virtually impossible to replicate the conditions in a laboratory to recreate the effect.

As a result of this investigation it has been found that bleach based cleaning agents do appear to successfully overcome the problem and in the majority of cases the yellowing does not reappear. As far as the consumer is concerned it remains a case of trial and error if it occurs then cleaning with bleach may solve the problem otherwise it will be a matter of regrouting with a polymer modified grout or of course selecting a polymer modified product at the outset.

This phenomenon has been a topic of conversation on various Tile Forums for some considerable time and it is felt that an open and honest approach needs to be made for the benefit of the consumer, the tile fixer and the manufacturer.

Please refer to www.ncnicobond.com download section for further information on discolouration in tile grouts.

Resin based grout
When preparing epoxy adhesives or grouts full instructions on the packaging should be followed. It is important that any liquid components which may contain pigment are thoroughly stirred to ensure good distribution. It is also essential that all components are mixed as a complete kit; do not attempt to make up part mixes as these may not subsequently cure. Do not grout more than ½ -1m² at a time with epoxies. The use of correct tools is essential when applying Nicobond Starlike 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 Nicobond Starlike 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 clean Nicobond Super Grout Pro use a Nicobond Hydro Sponge with minimal water in a circular motion. To remove any remaining film of Starlike or Super Grout Pro residue from the surface, allow the grout to set for 24 hours and then apply Nicobond Resin Cleaner or Nicobond Super Grout Pro 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.

Calculating Grout Requirements:
A useful guide to calculating the requirements of cementitious grouts for any tiling installation is as follows:

1. ADD length and breadth of tile together (in mm).
2. MULTIPLY result by joint width.
3. MULTIPLY result by joint depth.
4. MULTIPLY result by Grout Coverage Figure (i.e. for Floor Tile Grout , this is 2.0).
5. DIVIDE result by length of tile.
6. DIVIDE result by breadth of tile.

The result is the material requirement in kg per sq. metre. To summarise

$$\frac{(\text{tile length} + \text{tile width}) \times \text{tile thickness} \times \text{joint width}}{\text{tile length} \times \text{tile width}} \times \text{Factor of 2}$$

For Nicobond Starlike Grout use a factor of 1.56kg/m².
For Nicobond Super Grout Pro use a factor of 1.65kg/m².
For Nicobond Grout Pro Flexible/Floor Tile Grout/Tilers Grout use a factor of 2.0kg/m².

An example of this for Nicobond Grout Pro Flexible would be as follows:

$$\frac{(330\text{mm} + 250\text{mm}) \times 8 \times 3}{\text{"330 x 250mm"}} \times 2$$

Shelf Life
Unless otherwise stated Nicobond products have a shelf life of 12 months in unopened packaging from the date of packing. Please refer to our website www.ncnicobond.com for individual data sheets for specific advice.

Storage
Nicobond products must be stored clear of the ground and in dry conditions, protect from frost, direct sunlight and extremes of heat and humidity.

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

Manufacturer’s Warranty
All Nicobond adhesives, grouts and screeds are covered by our lifetime manufacturer’s warranty. If our products are proven to be defective by reason only of manufacturing workmanship we will, at our discretion, provide replacement product free of charge.

Subject to terms and conditions, please ask for a copy of the N&C Nicobond warranty if required.

Faulty installation or non compliance with the current BS/EN Standard or The Tile Association recommendations/papers relating to substrates, the application of material and inappropriate use are excluded from this warranty and our liability is limited to the cost of replacement only on production of purchase invoice or receipt.

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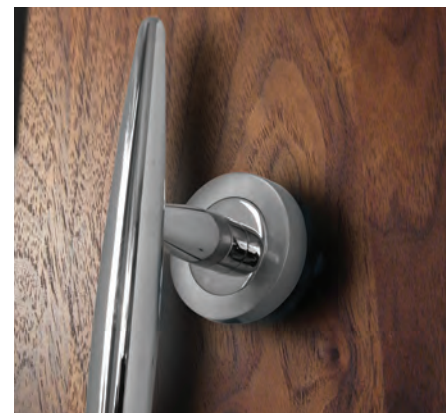
ADHESIVES

We manufacture innovative, high performance adhesives, grouts and tiling systems through our Nicobond brand, within our UK based factory.



WALL & FLOOR TILES

N&C are leading suppliers of award winning ceramic, porcelain and natural stone wall and floor tiles.



IRONMONGERY

As ironmongers since 1875, and as part of the Guild of Architectural Ironmongers, we specialise in everything required in washrooms



FLOORING

As leading manufacturers, we provide quality materials for required safety flooring, such as Nicobond Ikon Wetroom Safety Vinyl sheet, vinyl tiles and screeds.



BATHS

From contemporary and classic, we have a broad collection of baths in a range of shapes and styles perfect for hotels.

Nicobond ScreedPro range

Offering the complete solution for flooring professionals

The Nicobond ScreedPro range of smoothing compounds has been developed specifically for use by the professional flooring contractor. Our chemists have been successful in formulating a high performance range of products that can be used within commercial, industrial and domestic projects. The smoothing compounds offer exceptional handling characteristics and high levels of flow compared with other manufactures offerings.



INDEPENDENT LIVING

Through our Phlexicare brand, N&C are leading manufacturers and distributors of independent living solutions designed for people with all levels of abilities, covering accessible showering, multi user kitchens and more.



DECORATING

Our builders merchant division offers all the popular trade brands for decorators and building professionals.



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As the UK's leading independent supplier of commercial and domestic glass and glazing products, we can offer unrivalled solutions at competitive prices.

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