

ScreedPro Rapid Latex Fibre No Ammonia

An ultra rapid setting, highly versatile, fibre reinforced, two-part, low odour self-smoothing compound with excellent flow and flexibility. Suitable for use in domestic, commercial and clinical areas where low odour is essential.



Features

- Highly flexible
- Excellent flow & workability
- Superb adhesion to most substrates
- Foot traffic after 90-120 minutes at 20°C
- Suitable for use over existing tile adhesive residues
- Can be used over and under Nicobond DPM One Coat Membrane and Primer
- Apply floorcoverings after 4 hours at 20°C
- Exceptional performance even at low temperatures ($\geq 5^{\circ}\text{C}$)
- Ammonia and Protein free
- Up to 10mm depth unfilled, 30mm filled
- Suitable for underfloor heating
- Moisture tolerant
- CT – C16 – F5
- 20kg powder, 4.8kg liquid



1½ - 2 hour
foot traffic



protein
free



internal



flexible



under-floor
heating



working time
20 - 30mins



lifetime
guarantee

The compound shall be ScreedPro Rapid Latex Fibre No Ammonia 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.





British Standards - Guidelines
 All aspects of the installation must be in accordance with the requirements of BS 8204, BS 8203 (Installation of Resilient Floorcoverings) or BS 5325 (Installation of Textile Floorcoverings) and BS5385 code of practice for wall and floor tiling. Complies with EN standards and supplementary specifications. Conforms to BS EN 13813 CT – C16 – F5

Description

ScreedPro Rapid Latex Fibre No Ammonia is a two-part low odour, fast setting underlayment with superb adhesion and good flexibility making it highly suitable for use over old cement-based tile adhesive residues and a wide variety of substrates without the need for priming. It is designed for smoothing uneven floors prior to the installation of floorcoverings in domestic and commercial areas. It is ideal for use in factories, garages, shops, schools, care homes, biological areas etc.

ScreedPro Rapid Latex Fibre No Ammonia can be used to pre-smooth a concrete floor prior to the application of Nicobond One Coat DPM & Primer. ScreedPro Rapid Latex Fibre No Ammonia can also be used over Nicobond One coat DPM & Primer to a maximum of 6mm. Apply directly to the DPM surface within 18 hours. If the DPM has cured for ≥18 hours, then apply a coat of undiluted Nicobond Gritted Primer and allow to dry. In commercial areas two coats are recommended. Whilst the second coat is still wet broadcast 1.2mm kiln dried quartz directly over the DPM and allow to dry. Brush off any loose particles before laying the Rapid Latex Fibre No Ammonia. For best results apply ScreedPro Rapid Latex Fibre No Ammonia at minimum 3mm thick up to 6mm.

Mixing

Shake the liquid component bottle firmly prior to pouring into a clean Nicobond Mixing Bucket or suitable rigid sided clean vessel. The powder should be added at a steady rate, while stirring under high shear until a smooth fluid mixture is produced. The material should be mixed with a Nicobond whisk in a variable speed electric drill until a smooth lump free consistency is achieved.

Application

Use mixed materials within 20-30 minutes. Trowel the material onto the prepared subfloor to a maximum thickness of 10mm. To achieve thicknesses over 10mm and up to 30mm add Nicobond Chippings in a ratio of 2 parts ScreedPro Rapid Latex Fibre No Ammonia to 1-part Nicobond Granite Chippings. Maximum thickness over DPM 6mm. Greater thicknesses can be applied over a second coat of DPM blinded with sharp sand whilst the DPM is wet, creating a mechanical key coat.

How much material?			
Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m ² Area	Aggregate
3mm	5m ²	22 units	n/a
8mm	1.7m ²	58 units	n/a
15mm	0.9m ²	73 units	36 bags

The table should be used for guidance purposes only and all information given can be affected by the substrate texture and absorbency. The coverage given is based on a smooth non-absorbent subfloor.

Substrates

Concrete & Sand/Cement Screeds

Concrete and sand/cement screeds must be dry, and any laitance or surface treatments removed. Where moisture sensitive floorcoverings are to be installed sand/cement screeds must have a moisture reading of less than 75% RH before work can begin. If rising damp or residual construction moisture is present in the substrate and readings of up to 98% are evident then Nicobond DPM One Coat and Primer should be applied. Allow approximately 1 day per mm for drying of new screeds. It is also advised to prime sand/cement screeds to maintain a good flow and prevent air bubbles rising to the surface.

Power Floated Concrete

The surface should have been allowed to dry for at least six weeks. Mechanically remove any laitance or surface treatments. All dust and debris must be removed using a vacuum.

Ceramic, Quarry & Porcelain Tiles

The surface must be clean, dry, secure and free from dirt and dust. Use ScreedPro Feather Finish to fill in the grout joints to make the surface level prior to priming and application of ScreedPro Rapid Latex Fibre No Ammonia.

Under-floor Heating and Under Tile Heating

ScreedPro Rapid Latex Fibre No Ammonia is ideal for encapsulating heating cables and mats on screed/concrete or Nicobond Tile Backer Board prior to tiling. Under-floor heating must be switched off 48 hours before and after application. When switching on start with a low temperature, gradually increasing it to its operating temperature at a rate of 5° C per day.

Flooring Grade Asphalt or Old Adhesive Residues

The surface must be clean, secure and free from dirt and dust. A minimum application of 3mm (maximum 6mm) of ScreedPro Rapid Latex Fibre No Ammonia will be required.

Vinyl Tiles

Existing hard vinyl tiles must be secure and adhered to the sand/cement or concrete substrate to which the vinyl tiles was originally applied. The surface must be clean, dry, secure, free from dirt and dust and have a functioning DPM in place.

Floorboards and T/G boarding

Tongue and groove boards must be screwed down to the joists every 150mm to provide a rigid and flat surface. Ensure the substrate is strong enough to support the leveller, adhesive and final floorcovering. Ensure there is sufficient ventilation beneath the substrate.



Priming

Priming may not be required. However, in certain circumstances it may be beneficial to prime. See table below.

Surface	Primer
Porous Substrates	Nicobond Primer (diluted 1:4 with water)
Non-Porous Substrates	Nicobond Primer (use neat – undiluted)
Calcium Sulphate Screeds	Remove laitance and prime with 1:2 diluted Nicobond Primer: water. Apply a second diluted coat one first has dried.
Specification	ScreedPro Rapid Latex Fibre No Ammonia
BS EN 13813 Classification	CT-C16-F5
Application Thickness Unfilled	Up to 10mm
Filled	Up to 30mm
Working Life @ 20°C	30 minutes
Walk on time @ 20°C and 5mm thick	Approx. 1 - 2 hours
At 3mm thickness ready for Ceramic Tiles @ 20°C	After Approx. 4 hours
Resilient floor coverings / LVT	Approx. 4hours loose laid/12 hours bonded
Application over non-absorbent surfaces	Allow 24 hours (in good drying conditions)
Installation Temperature	Minimum 5°C
Compressive Strength N/mm ² (BS EN 13892-2) 28 Days	> 16.0
Flexural Strength N/mm ² (BS EN 13892-2) 28 Days	> 5.0
Packaging	20kg bag / 4.8kg bottle

Calcium Sulphate/Anhydrite Screed

The Anhydrite/ Calcium Sulphate screed should be dimensionally stable, sound, clean and free from laitance or any other loose particles which may affect adhesion. The surface should be abraded by using sanding equipment or contained shot blasting equipment. Any loose debris or fibres to be vacuumed up prior to laying the new underlayment.

Ensure the screed is thoroughly dry and test for moisture content using a Nicobond Hygrometer, BS8203:2017refers. Moisture content should be 0.5% by weight or 75% R.H. The Anhydrite screed should be primed with 2 coats of diluted Nicobond Primer. Using a brush or roller apply the first coat of primer diluted 3 volumes of water to 1 volume Nicobond Primer and allow to dry. Then apply a second coat at right angles to the first and allow to dry. ScreedPro Rapid Latex Fibre No Ammonia can then be applied to the primed surface in accordance with our instructions.

Technical Terms & Definitions

Porous (Permeable & Absorbent)

Porous surfaces are any materials having minute or narrow spaces through which liquid or air may pass. Examples of porous materials are quarry tiles (unsealed), unvarnished (unfinished) wood, concrete (not power floated), sand/cement screeds.

Non-Porous (Impermeable & Non-Absorbent)

Non-porous surfaces tend to be thick, dense, and solid so that nothing can penetrate beyond its outer-most surface. Examples of non-porous surfaces are metal objects, varnished wood, laminate counters, granite, power floated concrete, glazed ceramic tiles, porcelain tiles, flooring grade asphalt, quarry tiles (sealed) and vinyl. See notes on the use of Nicobond DPM One Coat membrane & Primer.

Fast Setting Screeds

Allow a faster setting time to achieve foot traffic within a shorter period. Such products may still require 12-24 hours to dry out completely (depending on thickness).

Fast Drying Screeds

Allow for the quicker installation of floorcoverings. Such products may be dry with in 4-6 hours (depending on thickness).

Tools

Suitable steel smoothing trowel, spiked roller, mixing bucket, electric drill and powder whisk.

Cleaning

Wash tools thoroughly with water immediately after use.

Shelf Life

A minimum of 12 months in unopened bags and a minimum of 12 months in unopened bottles from the date of manufacture.

Storage

This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

Health & Safety Advice

ScreedPro Rapid Latex Fibre No Ammonia powder is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations.

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

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