



UNICLASS L6412:P21	CAW M10
Cl/SfB	(43) Yq2

Technical data sheet

October 2024

ScreedPro Latex

A conventional two-part low odour self-smoothing compound with excellent flow and flexibility. Suitable for use in domestic, commercial, clinical & biological areas.



Features

- Up to 8mm depth unfilled, 30mm filled
- Rapid setting
- Foot traffic 2 hours at 20°C
- Dries in 8 hours
- Excellent flow
- Feather edge applications
- Protein free
- Low odour
- Low shrinkage
- Fix ceramics 4 hours at 20°C
- Resilient floorcoverings/LVT from 12 hours
- CT – C25 – F7 LatexFlex Liquid
- CT – C25 – F5 Latex Liquid
- 20kg powder, 4.0kg liquid



1-2 hour
foot traffic



protein
free



internal



flexible



under-floor
heating



working time
20 - 30mins



lifetime
guarantee

The compound shall be ScreedPro Latex 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 Standard – 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). Complies with EN standards and supplementary specifications. Conforms to BS EN 13813 CT – C25 – F7 LatexFlex Liquid Conforms to BS EN 13813 CT – C25 – F5 Latex Liquid

Description

ScreedPro Latex is a two-part low odour, fast setting underlayment designed for smoothing uneven floors prior to the installation of floorcoverings. When applying to porous substrates such as plywood or timber use LatexFlex as the liquid component. ScreedPro Latex can be used in domestic and commercial areas. It is ideal for use in factories, garages, shops, schools, care homes, biological areas etc. ScreedPro Latex should always be covered and not used as the final floorcovering.

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 8mm. To achieve thicknesses over 8mm add Nicobond Chippings in a ratio of 2 parts ScreedPro Latex to 1-part Nicobond Chippings. For greater thicknesses apply further layers after the previous one has set, first removing any laitance that may have occurred. All layers must be of a similar depth. No priming is required between layers.

Substrates

Ensure the substrate is strong enough to support the leveller, adhesive and final floorcovering.

Concrete & Sand/Cement Screeds

Concrete and sand/cement screeds must be dry, and any laitance or surface treatments removed. Sand/Cement screeds must have a moisture reading of less than 75% RH before work can begin. When levelling to 8mm and above the floor preparation must be adequate to support the strength development of the levelling compound. For this purpose, mechanical preparation, using an enclosed shotblasting machine or similar methods must be used to expose the aggregate of the screed and provide a suitable key for the leveller to adhere to. All surface dust must be removed by vacuuming prior to application of the product. Prime with 2 coats if required of 3 or 4 parts water to one-part Nicobond Primer depending on the absorbency of the substrate and allow to dry between each coat. 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.

Substrates continued

If a thin coat of slurry primer is being applied directly to the suitably prepared substrate, then a minimum coat of 3mm thick to 6mm can only be used of this levelling compound.

Nicobond One Coat DPM & Primer

Being moisture tolerant, ScreedPro Latex can be used to pre-smooth a concrete floor prior to the application of Nicobond One Coat DPM & Primer. ScreedPro Latex can also be used over Nicobond One Coat DPM & Primer. Apply directly to the DPM surface within 18 hours. If the DPM has cured for ≥18 hours, then apply a coat of undiluted thin coat of Nicobond Primer or Nicobond Gritted Primer and allow to dry. In commercial areas two coats are recommended and 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 Nicobond ScreedPro Latex. Only apply ScreedPro Latex at minimum 3mm thick up to a maximum coating of 6mm over DPM.

Power Floated Concrete

The surface should have been allowed to dry for at least six weeks. Power Floated Concrete can have a loose top layer and in some cases laitance once it has dried. 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 applying ScreedPro Latex.

Under-floor Heating

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

The surface must be clean, secure and free from dirt and dust. A minimum application of 3mm (maximum 6mm) of ScreedPro Latex 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 and free from dirt and dust.

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.

Plywood

Use of Tile backer board minimum 10mm thickness is recommended as an alternative to plywood. If already in situ, ensure the plywood is securely screwed at minimum 300mm centres to an existing timber floor and is of exterior grade with a minimum thickness of 15mm. Prime the face and edges of the plywood. Use ScreedPro Feather Finish to fill in the joints etc prior to applying ScreedPro Latex. ScreedPro Latex with Latex liquid should be used only to pre-level wood prior to a timber overlay. Ensure there is sufficient ventilation beneath the substrate. When using Latex Flex liquid, the levelling compound may be used over plywood up to 6mm thick.

How much material?

Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m ² Area	Aggregate
3mm	4.5m ²	22 bags	n/a
8mm	1.7m ²	58 bags	n/a
15mm	1.35m ²	50 bags	25 bags



Priming

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	Consult Technical Support

Technical Information

Specification	ScreedPro Flow
BS EN 13813 Classification	CT-C25-F5 Latex Liquid CT-C25-F7 LatexFlex Liquid
Application Thickness	
Unfilled	Up to 8mm
Filled	Up to 30mm
Working Life @ 20°C	30 minutes
Walk on time @ 20°C	Approx 2 hours
At 3mm thickness ready for Ceramic Tiles	4 hours
Resilient floor coverings / LVT @ 20°C	Approx 12 hours
Application over non-absorbent surfaces @ 20°C	Allow 24 hours (in good drying conditions)
Installation Temperature	Minimum 5°C
Compressive Strength N/mm ² (BS EN 13892-2) 28 Days	> 28.0
Flexural Strength N/mm ² (BS EN 13892-2) 28 Days	> 8.0
Packaging	20kg poly lined paper sack / 4 litre bottle

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.

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, 12 months in unopened bottles from the date of manufacture.

Storage

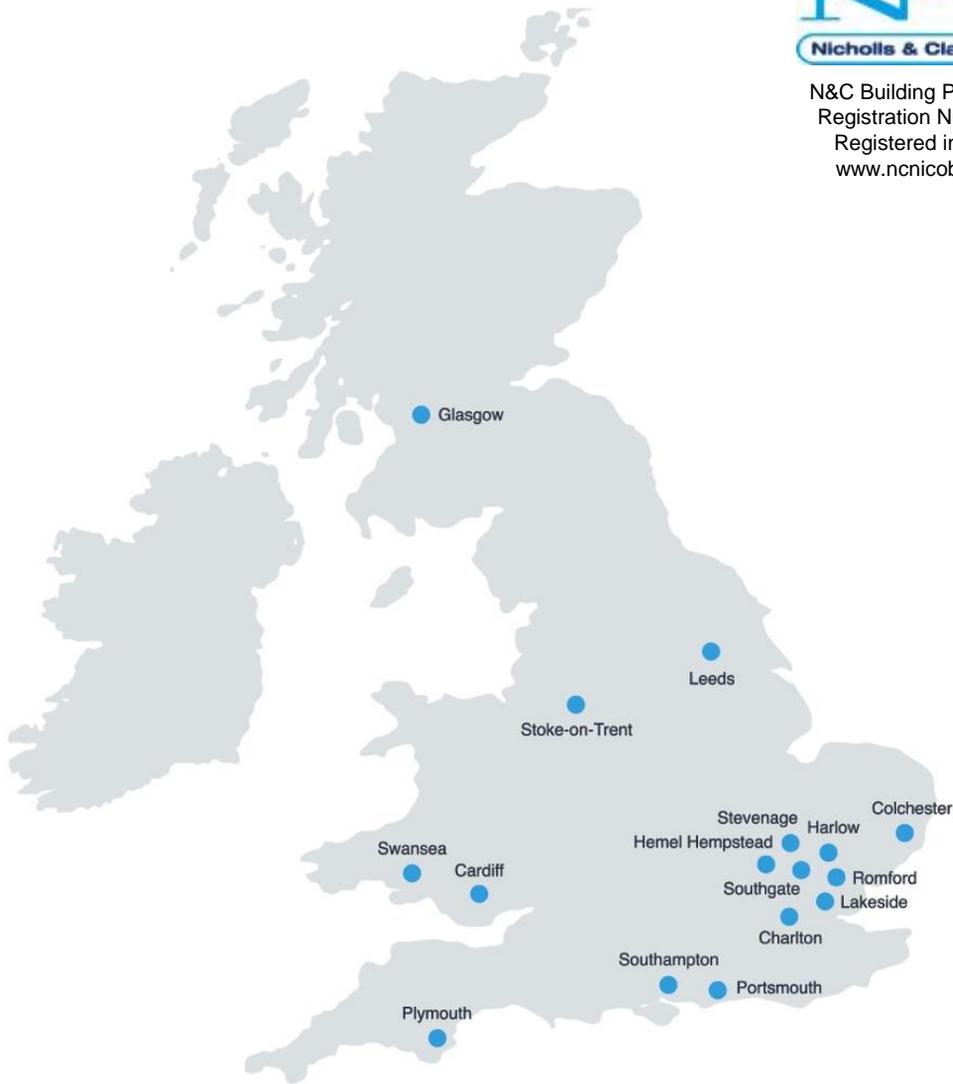
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

Health & Safety Advice

ScreedPro Latex 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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