



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

Technical data sheet

July 2023

ScreedPro Level Floor

A premium, self-smoothing, fast setting compound which can be laid up to 50mm in one single application providing an even base suitable for tile installations.



Features*

- 2mm – 50mm depth
- Renovate floors prior to ceramic tiling
- Rapid setting
- Foot traffic 2 hours
- Fix ceramics 4 hours at 20°C
- Unbonded floor coverings 8 hours
- Bonded floor coverings 12 hours
- Resilient floorcoverings/LVT from 12 hours
- Pumpable
- Protein free
- Shrinkage compensated
- 20kg

* at 20°C and 5mm thickness



2 hour
foot traffic



protein
free



internal



under-floor
heating



pumpable
screed



working time
20-30 minutes



lifetime
guarantee

The compound shall be ScreedPro Level Floor 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

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 – C25 – F7

Description

ScreedPro Level Floor is a cement based pre-aggregated, smoothing and levelling compound designed too rapidly smooth and level existing substrates prior to applying a floor finish. Ideal for renovation work prior to installing ceramic tiles. ScreedPro Level Floor can be used in domestic, commercial and light industrial areas, being protein free, the product can be used in biologically sensitive areas. Ideal for use in hospitals, laboratories, food preparation areas, food shops, restaurants, schools, care homes etc.

Mixing

Add approximately 4.0 litres of clean water 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

Used mixed material within 20-30 minutes at 20°C. Pour the blended ScreedPro Level Floor onto the prepared sub-floor and spread into place using a trowel or spiked roller. Above 3mm thickness, the mixture will self-smooth during application.

Where it is necessary to contain ScreedPro Level Floor, such as day work joints or edges of movement joints, wooden laths or similar should be used as flow-stops.

Substrates

Concrete & Sand/Cement Screeds

Concrete and sand/cement screeds must be dry. Sand: cement screeds must have a moisture reading of less than 75% RH before work can begin. Approximately 1 day per mm for drying. Ensure all surfaces to be coated are clean, dry, frost free and free from grease, oil, dirt, dust, loose friable material and any other contaminants (coating, laitance, etc). It is also advised to prime sand/cement screeds to maintain a good flow and prevent air bubbles rising to the surface. Porous surfaces may need more than one coat. Prime with Nicobond Primer diluted at 4 parts water to 1-part Nicobond Primer.

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.

How much material?

Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m ² Area	Aggregate
2mm	5 -6m ²	16 - 20 bags	n/a
50mm	0.2m ²	500 bags	n/a

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.

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. This product is not intended to be used to feather edge below its minimum application depth – use Nicobond Feather Finish if required.

Nicobond One Coat DPM & Primer

ScreedPro Level Floor can be used over Nicobond One Coat DPM & Primer. Apply directly to the DPM surface within 18 hours of it being applied (at 20°C). If the DPM has cured for approximately 18 or more hours, then apply a coat of undiluted thin coat Nicobond Primer or Nicobond Gritted Primer and allow to dry. In commercial areas or potentially difficult substrates (i.e. if they contain undulations) two coats must be used. Whilst the second coat is still wet broadcast 1.2mm kiln dried quartz directly over the DPM and allow to dry as described above. Brush off any loose particles before laying the Nicobond ScreedPro Level Floor. Only apply ScreedPro Level Floor or any Nicobond ScreedPro product at **minimum 3mm thick up to a maximum coating of 6mm** over DPM.

Power Floated Concrete

The surface must be 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.

This must be Mechanically removed .

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 Level Floor.

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 10mm) of ScreedPro Level Floor 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, secure and free from dirt and dust. Prime with Nicobond Gritted Primer.



Priming

Priming is always required. 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 Level Floor
BS EN 13813 Classification	CT-C25-F7
Application Thickness Unfilled	2mm to 50mm
Working Life at 20°C	20-30 minutes
Walk on time at 20°C	2 hours
At 3mm thickness ready for Ceramic Tiles at 20°C	4 hours
Resilient floor coverings / LVT (Dependent on thickness)	Approx 4 hours loose lay Approx 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	> 25.0
Flexural Strength N/mm ² (BS EN 13892-2) 28 Days	> 7.0
Packaging	20kg bag

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 solid plastics, metal objects, varnished wood, laminate counters, granite, powered 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 and 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, powder whisk or suitable pumping machine.

Cleaning

Wash tools thoroughly with water immediately after use.

Shelf Life

Minimum 12 months in unopened bags from the date of manufacture.

Storage

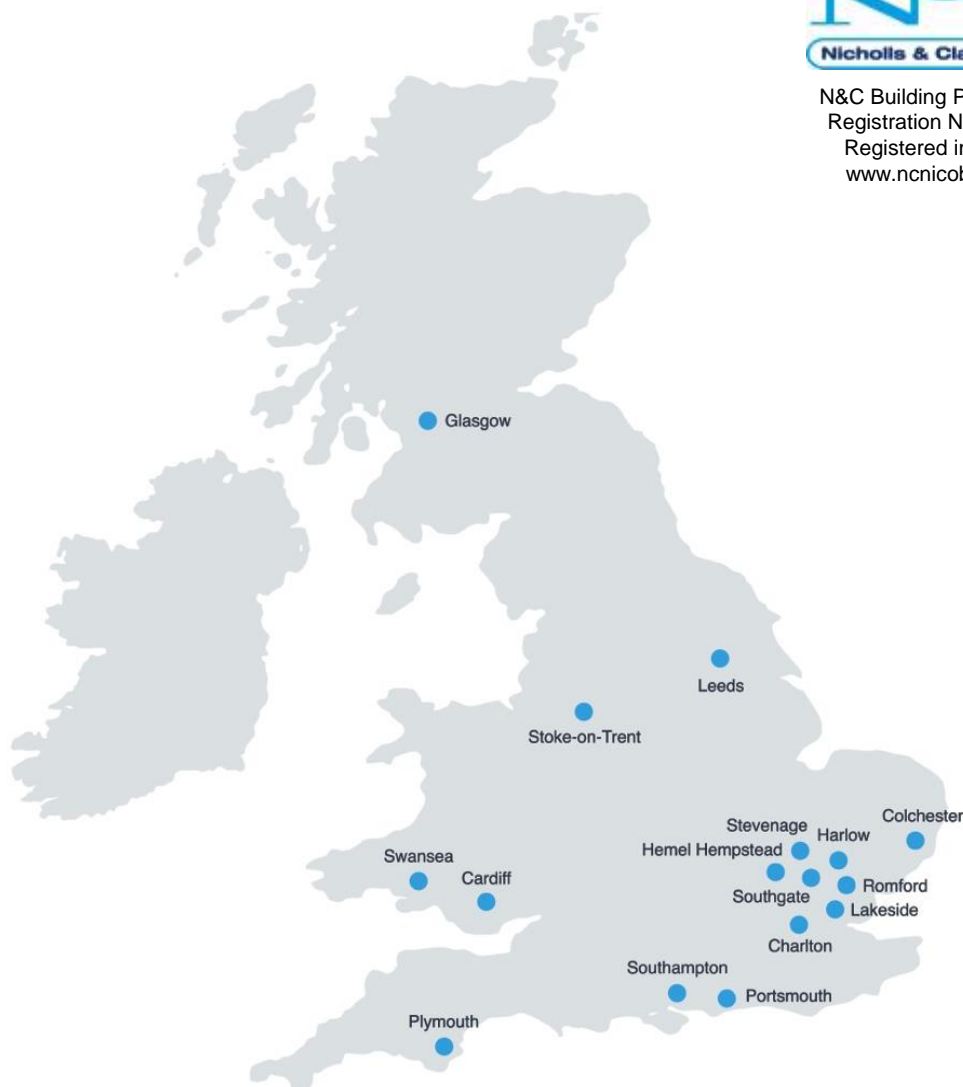
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

Health & Safety Advice

ScreedPro Level Floor 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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