

# ScreedPro Flow

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



## Features

- 1-15 mm depth, up to 50 mm depth filled
- Rapid setting
- Foot traffic after 2 hours
- Dries in 12 hours
- Pumpable
- Protein free
- Shrinkage compensated
- Fix ceramics 4 hours at 20°C
- Unbonded floorcoverings from 8 hours
- Bonded floorcoverings from 12 hours
- CT - C35 - F6
- 20kg

\* at 20°C and 5mm thickness



2 hour  
foot traffic



protein free



internal



under-floor  
heating



pumpable  
screed



working time  
20 - 30mins



lifetime  
guarantee

The compound shall be ScreedPro Flow 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 BS5325 (Installation of Textile floor coverings).Complies with EN standards and supplementary specifications.

**Description**

ScreedPro Flow is a technically advanced smoothing and levelling compound that is designed too rapidly smooth and level existing substrates prior to applying a floor finish.

ScreedPro Flow 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.

ScreedPro Flow can be used over Damp Proof Membranes. Apply the first coat of DPM and allow to dry and then apply a second coat. Whilst this 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 ScreedPro Flow. For best results apply ScreedPro Flow at minimum 3mm thick.

**Mixing**

Add 3.8 - 4.0 litres of clean water in to a clean suitable container. The powder should be added at a steady rate, while Stirring continuously using a variable speed mechanical mixer on slow speed. The material should be mixed until a smooth lump free consistency is achieved. For larger areas or greater thicknesses an appropriate mixing pump is more suitable.

**Application**

Pour the blended ScreedPro Flow onto the prepared sub-floor and spread in to place.

Above 3mm thickness, the mixture will self-level and self-smooth during application. From feather edge to 3mm, trowel apply as a conventional smoothing underlayment.

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

ScreedPro Flow can be applied from 1mm to 15mm in one application unfilled. A greater thickness up to 50mm can be achieved by adding Nicobond Chippings at a ratio of 2:1.

**Substrates**

**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.

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.

Porous surfaces may need more than one coat. Prime with Nicobond Primer diluted at 4 parts water to 1-part Nicobond Primer.

**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 Flow.

**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 Flow 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.

**How much material?**

Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m <sup>2</sup> Area	Aggregate
3mm	4m <sup>2</sup>	25 bags	n/a
15mm	0.8m <sup>2</sup>	125 bags	n/a
20mm	0.6m <sup>2</sup>	110 bags	55 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.



## 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 Flow
BS EN 13813 Classification	CT-C35-F6
Application Thickness	
Unfilled	1mm to 15mm
Filled	50mm
Working Life @ 20° C	20-30 minutes
Walk on time @ 20° C	2 hours
At 3mm thickness ready for Ceramic Tiles	4 hours
Resilient floor coverings / LVT (Dependent on thickness)	Approx 8 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 <sup>2</sup> (BS EN 13892-2) 28 Days	> 37.0
Flexural Strength N/mm <sup>2</sup> (BS EN 13892-2) 28 Days	> 6.9
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.

### 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

12 months in unopened bags from the date of packing.

### Storage

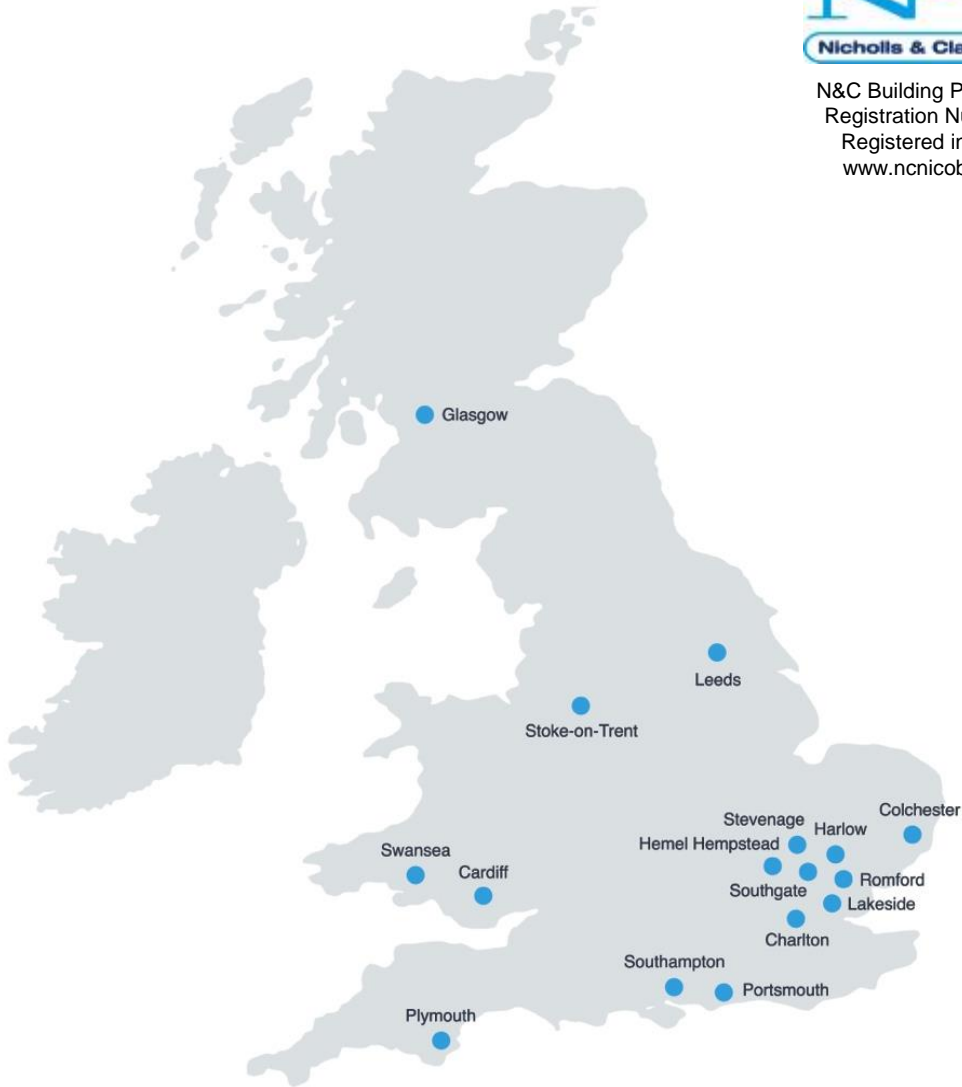
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

### Health & Safety Advice

ScreedPro Flow 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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