



UNICLASS L6412:P21	CAW M10
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Technical data sheet

December 2022

# ScreedPro All Purpose

A versatile rapid drying, rapid setting, two-part low odour self-smoothing underlayment designed for use over adhesive residues



## Features

- Use over adhesive residue
- Encapsulate under tile heating
- Maximum 10mm depth
- Foot traffic in 30 mins
- With added fibres
- OPC free
- Rapid setting
- Rapid drying
- Excellent flow
- Low shrinkage
- Unbonded floorcoverings from 45 mins @20°C
- Bonded floorcoverings from 2 hours
- Fix ceramics from 45 minutes
- CT – C16 – F5
- 20kg + 4.8kg



The screed shall be ScreedPro All Purpose 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.

### Description

ScreedPro All Purpose is a medium strength two-part low odour, fast setting and fast drying underlayment designed for smoothing uneven floors prior to the installation of floorcoverings. It can also be used over old non-water softenable adhesive residues which are hard, sound and have sufficient cohesive strength to receive a layer of smoothing compound. ScreedPro All Purpose consists of a Portland Cement free powder component containing a blend of special binders carefully graded aggregates and fillers and a pre-weighed gauging liquid polymer dispersion.

ScreedPro All Purpose can be used in domestic and commercial areas. It is ideal for use in factories, garages, shops, schools, care homes etc. It can also be used to encapsulate undertile heating cables and mats onto Nicobond Tile Backer Boards.

ScreedPro All Purpose should always be covered and not used as the final floorcovering.

ScreedPro All Purpose can be used over Damp Proof Membranes. Apply directly to the DPM surface within 18 hours. If the DPM has cured for >18 hours, then apply a coat of undiluted Nicobond Primer and allow to dry. For best results apply ScreedPro All Purpose at minimum 3mm thick.

### Mixing

Shake the latex bottle firmly prior to pouring into a clean suitable container. The powder should be added at a steady rate, while stirring continuously using a variable speed mechanical mixer. The material should be mixed for 2 minutes until a smooth lump free consistency is achieved.

### Application

Use mixed materials within 10 minutes. Trowel the material onto the prepared subfloor to a maximum thickness of 10mm.

No priming is required between layers.

#### How much material?

Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m <sup>2</sup> Area	Aggregate
3mm	4-4.5m <sup>2</sup>	22 units	n/a
6mm	2-2.5m <sup>2</sup>	44 units	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.

## 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 All Purpose.

### 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 5mm) of Screedpro All Purpose 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.

### 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

The plywood must be 15mm or thicker screwed / ring nailed at 150mm centres.

Use ScreedPro Feather Finish to fill in the joints etc prior to applying ScreedPro All Purpose..

ScreedPro All Purpose should be used only to pre-level wood prior to a timber overlay. 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	Consult Technical Support

## Technical Information

Specification	ScreedPro All Purpose @20°C/50%RH
BS EN 13813 Classification	CT-C16-F5
Application Thickness Unfilled	Up to 10mm
Working Life @ 20°C	10 minutes
Walk on time @ 20°C	30 - 45 minutes
At 3mm thickness ready for Ceramic Tiles	45 minutes
Resilient floor coverings / LVT (Dependent on thickness) @ 20°C	Approx 45 minutes loose lay Approx 2 hours bonded
Application over non-absorbent Surfaces @ 20°C	Approx 12 hours (in good drying conditions)
Installation Temperature	Minimum 5°C
Compressive Strength N/mm <sup>2</sup> (BS EN 13892-2) 28 Days	≥16.0
Flexural Strength N/mm <sup>2</sup> (BS EN 13892-2) 28 Days	≥5.0
Colour	Beige
Packaging	20kg bag / 4.8kg 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 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 and powder whisk.

### Cleaning

Wash tools thoroughly with water immediately after use.

### Shelf Life

6 months in unopened bags, 12 months in unopened bottles from the date of packing.

### Storage

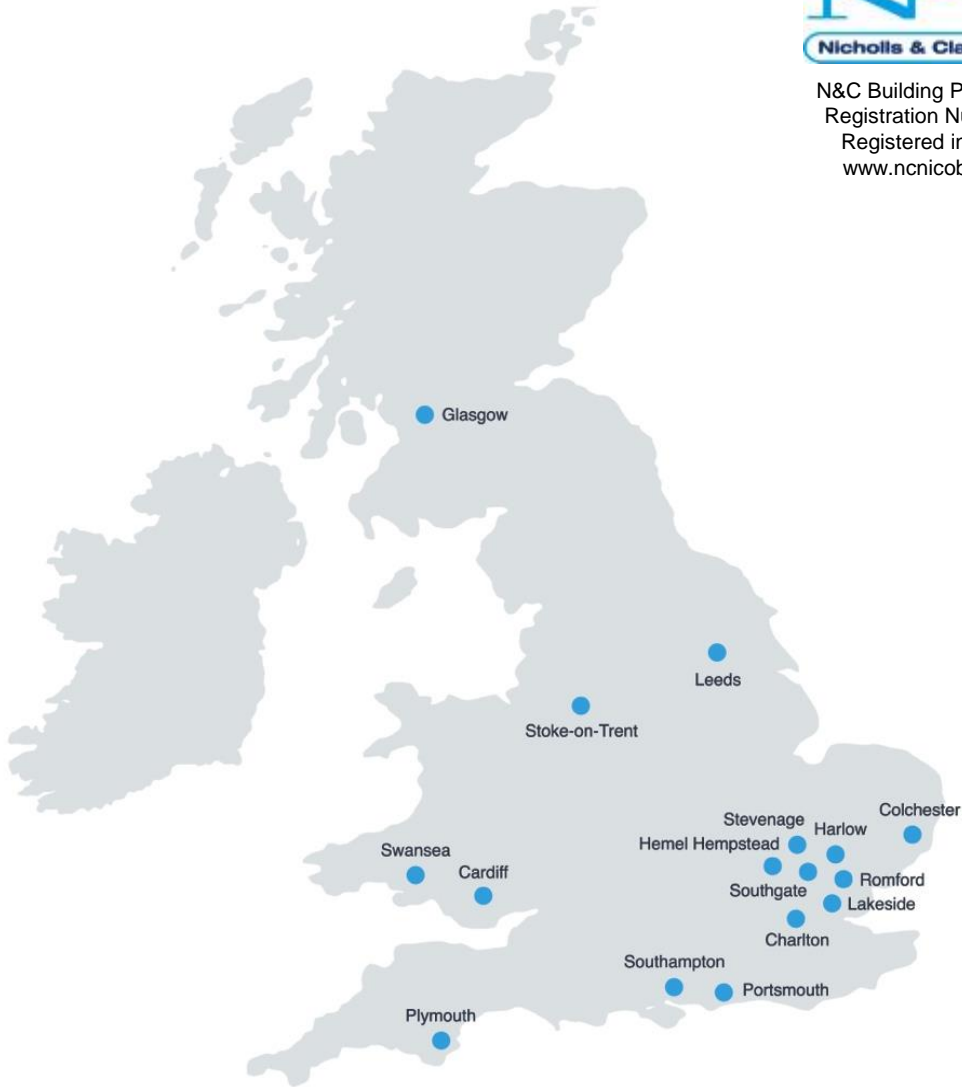
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect the liquid from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

### Health & Safety Advice

ScreedPro All Purpose 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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 41-51 Freshwater Road  
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