



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

Technical data sheet

December 2022

# ScreedPro Rapid 30

A premium, rapid drying, rapid setting, single part, self-levelling smoothing compound suitable for fast-track installations in internal areas.



## Features

- Up to 10mm depth
- Self-Levelling
- Rapid setting
- With added fibres
- Foot traffic 30 – 45 minutes @20°C
- Dries in 3 hours
- OPC free
- Unbonded floorcoverings from 45 mins
- Bonded floorcoverings from 90 minutes
- CT – C25 – F6
- 20kg



30 mins  
foot traffic



protein  
free



internal



under-floor  
heating



Working  
time 10  
minutes



OPC free



water lock  
formulation



lifetime  
guarantee

The compound shall be ScreedPro Rapid 30 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 Rapid 30 is a high strength, Portland cement free self-levelling/smoothing compound capable of receiving soft floorcoverings from approximately 3 hours. It consists of a powder component containing a blend of special binders and carefully graded aggregates and fillers.

The powder is mixed with water to produce a fast setting smoothing underlayment for the preparation of cementitious sub floor prior to the laying of vinyl, carpet or tiles. It's rapid drying formulation enables it to be walked on in 30-45 minutes and facilitates the laying of unbonded materials in approximately 45 minutes or bonded floorcoverings in approximately 1.5 – 2 hours.

ScreedPro Rapid 30 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 Rapid 30 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 Rapid 30. For best results apply ScreedPro Rapid 30 at minimum 3mm thick.

### Mixing

Add 4.8 litres of clean water 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. For larger areas or greater thicknesses an appropriate mixing pump is more suitable.

### Application

Used mixed material within 10 minutes at 20°C. The product should be mixed as closely as possible to the area of application and poured directly onto the primed sub-floor and spread into place with a trowel or rake, depending on the thickness required. Above 3mm thickness, the mixture will self-level and self-smooth during application.

Priming is required between layers.

How much material?			
Applied Thickness	Approximate Coverage Per Bag	Consumption Per 100m² Area	Aggregate
3mm	4m²	25 bags	n/a
10mm	1.2m²	83 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.

## Preparation

### General

All sub-floors should be protected from moisture from the sub-ground by use of a Damp Proof Membrane. Determine the moisture level in accordance with BS8203, which should be 75% RH or less. Any laitance, dust, adhesive residue, plaster, grease, paint etc, or other contaminants which may prevent adhesion to the sub-floor should be mechanically removed.

### 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 Rapid 30.

#### 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 Nicobond Rapid 30 Screed 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.



## Substrates

### Metal Surfaces

The surface must be clean, dry, secure and free from dirt and dust. Use ScreedPro Feather Finish to fill in any joints to make the surface level prior to priming and applying ScreedPro Rapid 30 .

### 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 Rapid 30 @20°C/50%RH
BS EN 13813 Classification	CT-C25-F6
Application Thickness Unfilled	2mm to 10mm
Working Life @20°C	10 minutes
Walk on time @20°C	30 – 45 minutes
At 3mm thickness ready for Ceramic Tiles @20°C	45 minutes
Resilient floor coverings / LVT (Dependent on thickness) @20°C	Approx 45 minutes loose lay Approx 90 minutes bonded
Installation Temperature	Minimum 5°C
Compressive Strength N/mm <sup>2</sup> (BS EN 13892-2) 28 Days	≥25.0
Flexural Strength N/mm <sup>2</sup> (BS EN 13892-2) 28 Days	≥6.0
Colour	Beige
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)

Nonporous 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, 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, mixing bucket, electric drill, powder whisk.

### Cleaning

Wash tools thoroughly with water immediately after use.

### Shelf Life

6 months in unopened bags from the date of packing.

### Storage

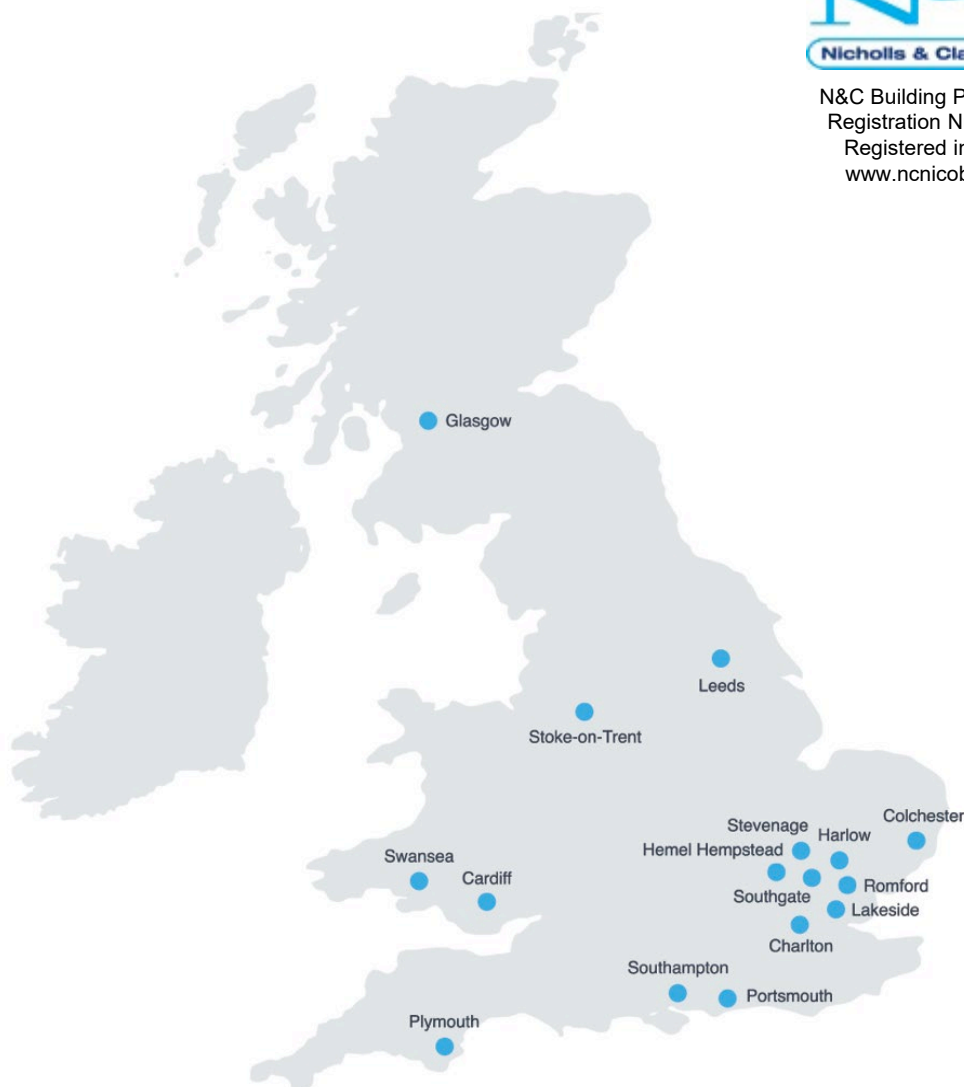
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

### Health & Safety Advice

ScreedPro Rapid 30 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.

N & C Building Products Limited  
41-51 Freshwater Road  
Chadwell Heath  
Romford  
Essex RM8 1SP  
Tel: 020 8586 4600  
Fax: 020 8586 4646  
Email: [info@nichollsandclarke.com](mailto:info@nichollsandclarke.com)  
Web: [www.ncnicobond.com](http://www.ncnicobond.com)



#### Distribution Centres, Trade Counters & Showrooms

N&C Building Materials  
41 - 51 Freshwater Road  
Chadwell Heath,  
Romford Essex RM8 1SP  
Tel: 020 8586 4600  
Fax: 020 8586 4646

C1 Cothill Trading Estate  
Plympton  
Plymouth PL7 1SR  
Tel: 01752 339724  
Fax: 01752 342746

B1 - B3 Sneyd Trading Estate  
Sneyd Hill, Burslem  
Stoke on Trent ST6 2PA  
Tel: 01782 575727  
Fax: 01782 575641

26 Colquhoun Avenue  
Hillington  
Glasgow G52 4BN  
Tel: 0141 880 1200  
Fax: 0141 880 1212

4 Waterloo Industrial Estate  
Flanders Road  
Hedge End  
Southampton SO30 2QT  
Tel: 01489 779700  
Fax: 01489 779701

3 - 4 Cardiff Trade Park  
Hadfield Road  
Cardiff CF11 8AQ  
Tel: 02920 390146  
Fax: 02920 224356

2 City Park Industrial Estate  
Gelderder Road  
Leeds LS12 6DR  
Tel: 0113 224 4630  
Fax: 0113 224 4631

#### Trade Counters & Showrooms

1A - 1B Alexander Place  
Lower Park Road  
New Southgate  
London N11 1QD  
Tel: 020 8361 6050  
Fax: 020 8361 4757

14 Meridian Trading Estate  
Bugsby Way, Charlton  
London SE7 7SJ  
Tel: 020 8269 5960  
Fax: 020 8269 5961

Units 10 - 11, 14 - 15  
Advent Way, Edmonton  
London N18 3AF  
Tel: 020 8586 4600  
Fax: 020 8586 4646

8 Ascent Park  
Edinburgh Way,  
Harlow Essex CM20 2HW  
Tel: 01279 621980  
Fax: 01279 621981

1 Cliffside Trade Park  
Motherwell Way,  
Lakeside, West Thurrock  
Essex RM20 3XD  
Tel: 01708 680180  
Fax: 01708 680181

2 - 5 Albarn Close  
Wyncolls Road  
Severalls Park, Colchester  
Essex CO4 9HY  
Tel: 01206 844 161  
Fax: 01206 845 878

9 - 11 McDonalds  
Business Park, Maylands  
Hemel Hempstead  
Hertfordshire HP2 7EB  
Tel: 0845 2606 025  
Fax: 0845 2606 026

16 Arlington Business Park  
Whittle Way, Stevenage  
Hertfordshire SG1 2BD  
Tel: 01206 849 322  
Fax: 01438 740 338

8D Pompey Centre, Fratton Way  
Southsea, Portsmouth PO4 8TA  
Tel: 02392 894599  
Fax: 02392 894598

5 Tower Court, St David's Road  
Swansea Enterprise Park  
Swansea SA6 8RU  
Tel: 01792 797337  
Fax: 01792 774019