



UNICLASS L6412:P21	CAW M10
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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
- 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 3 – 4 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 in to 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 100m ² Area	Aggregate
3mm	4m ²	25 bags	n/a
10mm	1.2m ²	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
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	45 minutes
Resilient floor coverings / LVT (Dependent on thickness)	Approx 45 minutes loose lay Approx 90 minutes bonded
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	> 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)

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, 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

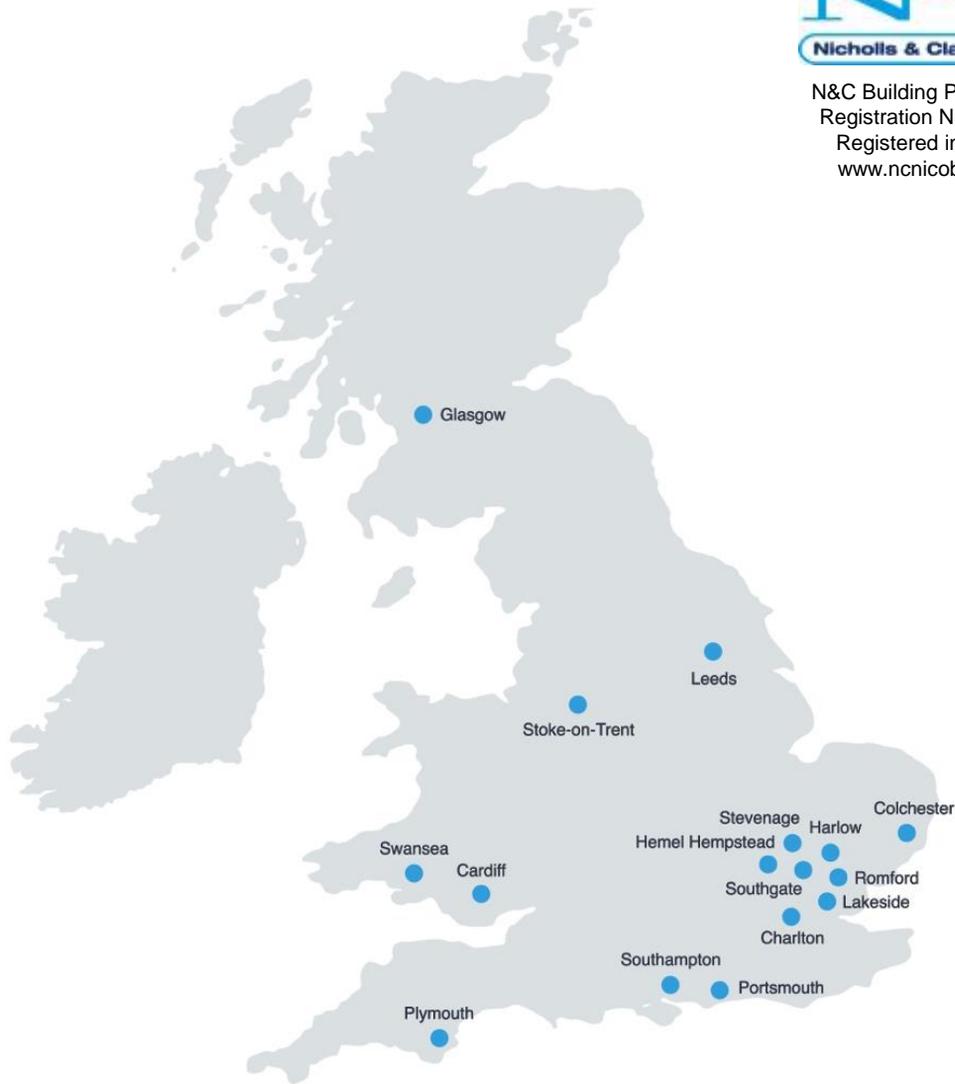
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

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.

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 41-51 Freshwater Road
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 Tel: 020 8586 4600
 Fax: 020 8586 4646
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