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| 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
- Foot traffic 2 hours
- Rapid setting
- Dries in 8-12 hours
- Pumpable
- Protein free
- Shrinkage compensated
- Fix ceramics 4 hours at 20°C
- Resilient floorcoverings/LVT from 12 hours
- 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

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 Level Floor is a cement based pre-aggregated, smoothing and levelling compound that is designed to 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. Ideal floor preparation.

ScreedPro Level floor 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 Level Floor. For best results apply ScreedPro Level Floor at minimum 3mm thick.

Mixing

Add Approximately 3.4 – 3.6 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 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 20-30 minutes at 20° C. Pour the blended ScreedPro Level Floor onto the prepared sub-floor and spread in to place.

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 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 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.

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.



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 @ 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 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.

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

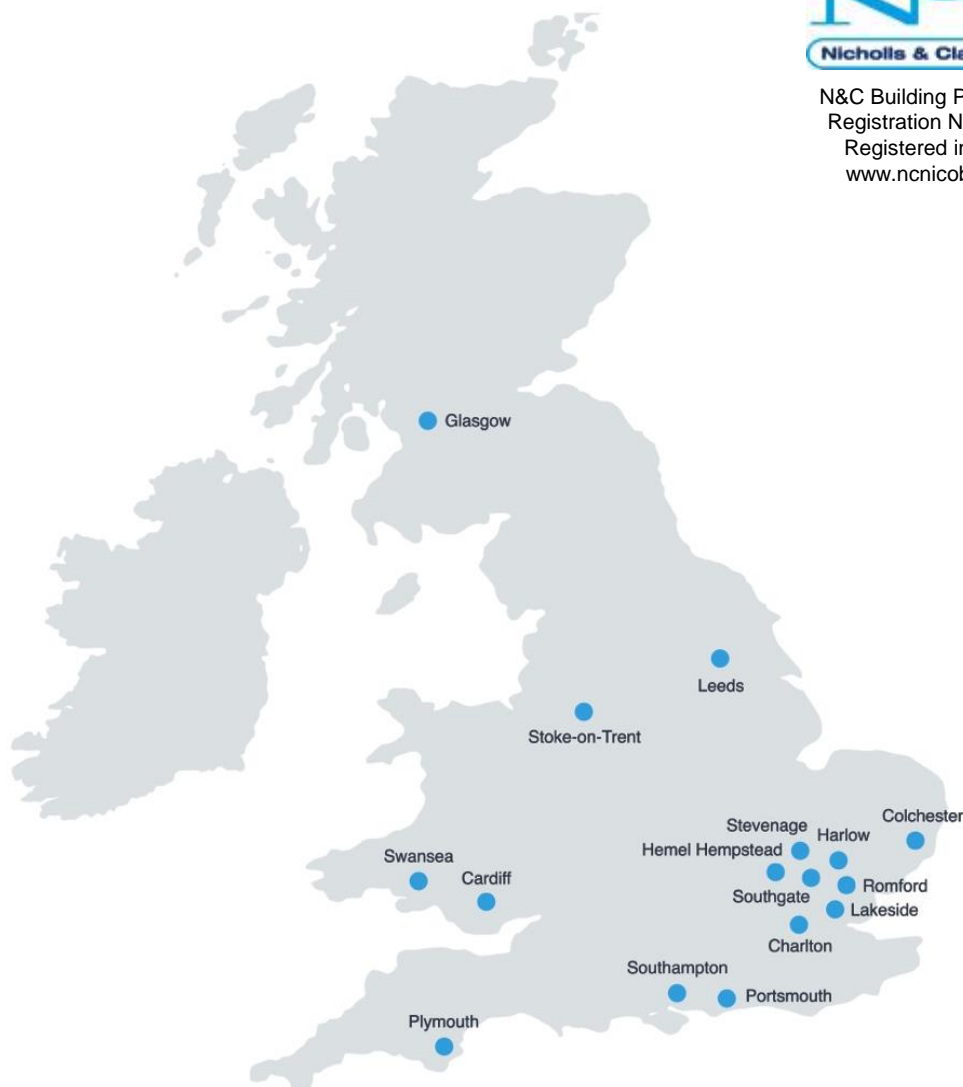
This product must be stored clear of the ground, under dry conditions, out of direct sunlight. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

Health & Safety Advice

ScreedPro 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.

N & C Building Products Limited
41-51 Freshwater Road
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Tel: 020 8586 4600
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 Fax: 020 8586 4646

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