



High performance products for tiling & flooring professionals

UNICLASS	EPIC
CI/SfB	

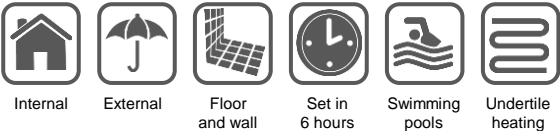
March 2024

# Semi Rapid Pro S1



### Features

- Extended pot life of 2 hours.
- Can be grouted after 6 hours
- Advanced handling characteristics
- Optimised for Ceramic, porcelain & natural stone tiles
- Highly polymer modified
- Flexible
- Interior and Exterior Use



### Description

Nicobond Semi Rapid Pro S1 is a highly polymer modified, flexible cement-based floor and wall tile adhesive, that has been specifically developed to give an extended pot life of 2 hours. Nicobond Semi Rapid Pro S1 may be used to fix a large variety of tiles including ceramic, porcelain and natural stone. The extended pot life is ideal when fixing large format tiles as well as intricate tiles where a semi rapid setting adhesive is preferable. The adhesive remains fast setting and will accept light foot traffic and can be grouted after 6 hours making it ideal for flooring applications.

Exceeds requirements of BS EN 12004 C2TES1

Application Data	
Colour	Grey & White
Mixing Ratio	Approx 3.5 volumes of powder into 1 volume clean water. (approx. 5 kg to 1.1 litre.) 20kg to approximately 4.4 litres water.
Mixing	For large quantities, use a Nicobond whisk in a slow speed electric drill and mix to a smooth consistency, use immediately.
Consistency of mix	Slump resistant mortar
Bed thickness	3mm up to 12mm
Coverage	Using a Notched Trowel 20kg of adhesive will cover approx.: 10m² at 3mm thickness 3m² at 10mm thickness Thin bed 2kg per m², Solid bed 4.5kg per m² at 3mm bed depth.
Pot Life	Approx 2 hours at 20°C
Open Time	Approx 30 minutes at 20°C
Setting time	Approx 6 hours at 20°C
Grouting After Fixing	Approx 6 hours at 20°C
Installation Temperature	Above 5 °C
Packaging	20kg

EN 12004 Test Methods	
EN 1308	Determination of slip
EN 1346	Determination of open time
EN 1347	Determination of wetting capability
EN 1348	Determination of tensile adhesive strength
EN 12002	Determination of transverse deformation

# Semi Rapid Pro S1

## Priming

Sealing and Priming cementitious and other surfaces  
– Use Nicobond Primer diluted with water.

Highly Absorbent cementitious surfaces and difficult substrates  
– Use Nicobond Primer diluted with water and blended with the cement-based product to be used.

Primers should be used in accordance with the manufacturer's instructions.

## Surface Preparation

Surfaces to be tiled should be rigid, dimensionally stable, sound, clean and free from laitance, paints, salts, grease, dust and any contamination which may prevent adhesion. Any adhesive residues must be firmly bonded to the substrate, compatible with the adhesive and be able to cope with the service conditions to which the completed installation is exposed to.

## Substrates

- To allow for the initial drying shrinkage to occur Cement: Sand Renders should be left for 2 weeks before tiling.
- To allow for the initial drying shrinkage to occur Cement: Sand Screed should be cured for 3 weeks before tiling.
- Nicobond ScreedPro Cement Mix may be substituted for OPC in cement: sand screeds giving environmental benefits and allowing tiling to commence after only 3 hours – refer to the ScreedPro Cement Mix data sheet for further information.
- Light weight concrete blocks should have an intermediate substrate, such as Nicobond Tile Backer Board, affixed prior to tiling. This is due to the probability for high drying shrinkage dependent on the block selected for use. New concrete, concrete blocks should cure for at least 6 weeks before rendering, screeding or direct fixing.
- Timber is NOT a suitable substrate to receive tiling directly as detailed in BS 5385 the code of practice for tiling. Nicobond Plastic Ply may be used, over existing sheet timber floors. Alternatively the floor may be over boarded with a minimum 10mm Nicobond Tile Backer Board, screw fixed at maximum 300mm centres, or the use of Nicobond D-Mat 3L is recommended, prior to tiling. Please refer to Nicobond Tiling Products The Directory for further detail and suitability.
- Existing floor tiles, hard vinyl tiles and flooring grade asphalt should be thoroughly cleaned using Nicobond Super Cleaning Crystals. Then primed using neat Nicobond Primer and allowed to dry.

Specify this product:

The product shall be Nicobond Semi-Rapid Pro S1 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.



High performance products tiling & flooring professionals

## Application

### Application Method

Wall Tiling Interior Dry Installation- Notched Trowel Method.  
Spread adhesive onto surface using straight edge of trowel to a depth of about 3mm. Lightly comb top surface of adhesive with notched edges. Do not press trowel through full depth of adhesive.

Buttering method- Adhesive must also be spread onto the back of large format, keyed or studded tiles to ensure solid bedding.  
Do not leave voids under floor tiles nor for wall and floor tiling in wet service areas or in commercial kitchens. Fix tiles immediately after combing adhesive by pressing them home with a slight sliding or twisting action.

From time to time remove a tile to check that full contact has been made with the adhesive bed.

Exterior installations must be protected from rain and frost until the adhesive has fully set.

Where fixing is carried out in hot conditions, the finished tiling should be protected from direct sunlight to avoid premature drying.

## Tile Fixing

Tile fixing should be carried out in accordance with BS 5385 and BS 8000 Codes of Practice for the installation of wall and floor tiles. Movement joints should be inserted in internal corners, at floor perimeters and other locations as recommended in relevant British codes of practice.

Floors should not be opened to traffic until the adhesive has hardened.

For advice on tiling to different substrates refer to Nicobond Tiling Products The Directory.

### Shelf Life

At least 12 months in unopened bags from the date of manufacture.

### Storage

This product must be clear of the ground stored under dry conditions. Protect from frost.

### Cleaning

During application, any residual adhesive must be removed from the face of tiles before it sets. Wash tools in water immediately after use.

### Health & Safety Advice

Nicobond Semi Rapid Pro S1 is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. Nicobond Semi Rapid Pro S1 contains cement, (contains Chromium VI), may cause an allergic reaction. Contact with water causes an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes. Wear suitable protective clothing, gloves and eye/face protection. Keep away from children.

The relevant Material Safety Data Sheet can be obtained from [www.ncnicobond.com](http://www.ncnicobond.com) or directly from N&C Building Products Ltd at the address below.

The information contained on this data sheet is given in good faith. It is to the best of our knowledge true and accurate; however, it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.

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