



Products for the Professional

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Product Data Sheet

# Wet Room Waterproofing Membrane

**Description:**

Nicobond Wet Room Waterproofing Membrane is an aqueous emulsion polymer based liquid applied membrane for water and vapour proofing applications. Meets the requirements of EN 14891:2007.

**Uses**

A quick drying, flexible waterproofing membrane for use in bathrooms, wet rooms and showers. Use with Nicobond Wet Room Waterproofing tapes to create a wetfloor tanking system, prior to laying ceramic tiles, mosaics and natural stones. Use to protect moisture-sensitive backgrounds including gypsum plaster, plasterboard, sand:cement substrates. It can also be used in conjunction with Nicobond Wet Room Tanking Sheet to provide additional protection. For floors subject to movement such as chipboard, plywood and timber floor boards it is recommended to strengthen the floor with Nicobond PlasticPly prior to laying the Nicobond Wet Room Tanking Sheet.

**Features**

- Single Component System
- Quick Drying – Tile after 2 hours
- Brush or Roller applied
- Can be applied to damp backgrounds
- Good crack bridging properties
- Low water vapour permeability
- High flexibility and extensibility
- Non Toxic

Application Data	
<b>Colour:</b>	Light Blue
<b>Bed thickness:</b>	Minimum 0.6mm
<b>Coverage:</b>	At minimum film thickness, 1.2kg/m <sup>2</sup> (Approx 1 litre/1m <sup>2</sup> )
<b>Drying Time:</b>	Depends on application method and thickness. Typically 2 hours after the application of the second coat.
<b>Adhesive Tensile Strength:</b>	0.5N/mm <sup>2</sup>
<b>Tensile Strength:</b>	1.3 – 2.1 N/mm <sup>2</sup> depending on surface.
<b>Resistance to water penetration(Positive head pressure)</b>	0.6mm thick dry film of membrane, supported on a porous tile biscuit, prevented water at 0.2N/mm <sup>2</sup> pressure penetrating into the tile during a 24 hr period. This is equivalent to a 20 metre head of water.
<b>Tensile Strength at break</b>	4 N/mm <sup>2</sup>
<b>Elongation at break</b>	350%
<b>Crack Bridging</b>	At least 2mm at 23°C
<b>Shore A Hardness Value</b>	70
<b>Operating Temperature</b>	5°C - 70°C
<b>Packaging:</b>	8kg plastic pail.



**Specification**

The Membrane shall be Nicobond Wet Room Waterproofing Membrane 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.



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#### Surface Preparation

The membrane adheres well to a wide range of substrates. It may be used on concrete, brick, cement:sand renders, gypsum plaster, plasterboard, timber surfaces and tile backer boards.

The surface should be sound, clean, free from dust, loose material and surface water. It should be smooth or have a light, even texture. Any defects should be made good. If the surface is porous it is recommended to prime the substrate prior to the application of the membrane. Nicobond Primer is suitable for sand:cement screed or render and other concrete surfaces. For gypsum, gypsum plasterboard and timber use Nicobond Universal Bonding Agent and Sealer

#### Application Method

It is advisable to check adhesion to the background by testing on a sample area before commencing any job.

The membrane may be applied by brush, roller or airless spray gun. The latter is better for building up a thicker coating. If necessary, the product can be diluted with up to 10% water, but care should be taken to achieve the correct film thickness. The thickness of the dried film depends on the method of application. When applying by brush or roller, it is recommended that the film is built up in two coats applied at right angles to each other. Allow the first coat to become touch dry before applying the second. This is typically up to one hour. For a single dry coat thickness of more than 0.3 mm, application by airless spray is recommended; thicknesses of up to 1 mm may thus be obtained. Single coats of 0.6 mm or more will require a longer drying time.

For tiling purposes, to achieve optimum bond strength, the adhesive should be applied when the membrane is dry. (Allow approximately 2-4 hours depending on conditions)

Joints, corners and pipework surrounds should be sealed Using Nicobond Wet Room Waterproof Tape and/or the appropriate accessory. By using a suitable reinforcing tape, it is possible to achieve good control of the coating thickness. Apply the first coating of the membrane and bed the tape into the wet material. By ensuring that the fabric is completely filled and covered with the second coat, a 0.5 mm thick tape will automatically produce a 0.6 mm thick membrane. Allow the first coat to become tacky before applying the second.

#### Cleaning

Tools should be washed in clean water immediately after use. Pay particular attention when using an airless spray gun not to let the material dry in the nozzle.

#### Shelf Life /Storage

Store out of direct sunlight at. Do not store at temperatures greater than 25°C. Protect from frost.

Nicobond Wet Room Waterproofing Membrane has a storage life not less than 6 months if stored in original unopened containers.

#### Health & Safety Advice

Nicobond Wet Room Waterproofing Membrane may cause irritation to eyes and skin, particularly if dried material adheres to the skin, avoid contact with skin, eyes and clothing. Do not swallow. Wear suitable protective clothing, chemical resistant gloves and eye/face protection. Keep away from children.

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

N & C Building Products Limited  
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Web: [www.ncdirect.co.uk](http://www.ncdirect.co.uk)



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# Nicobond Wet Room Waterproofing Accessories

**Nicobond Wet Room Waterproof Tanking Sheet**

Used in conjunction with Nicobond Plastic Ply the Nicobond Wet room Tanking Sheet is designed to cover surfaces subject to movement such as chipboard, plywood and timber floor boards. Made from UV resistant polyethylene and faced with glass fibre fleece Nicobond Wet Room Tanking Sheet offers superb protection against moisture penetration, has high flexibility and is part of a total solution for a watertight barrier.

**Application**

The Tanking sheet is to be firmly bedded down onto the Nicobond PlasticPly using a thin layer of Nicobond Rapidflex Adhesive. Cover joints between adjacent sheets with the Waterproof Tape using the liquid Membrane as the bonding agent.

**Nicobond Wet Room Waterproof Tape**

A key component in the Nicobond Wet room system. A strong polyethylene material covered with a rubberised layer, the tape is used for bridging and reinforcing internal corners and floor and wall joints. Sealed with the Nicobond Wet Room Waterproof Membrane it is integral to the successful tanking of a wet room.

**Nicobond Wet Room Waterproof Internal and External Corners**

To ensure complete waterproofing in internal and external corners use the special pre-formed angled corners.

**Nicobond Wet Room Waterproof Pipe Collars**

For efficient sealing around pipework, valves and drainage outlets. Available as a small collar with pre formed hole or as a large piece for on site fabrication.

**Application for walls and concrete/screeded floors.**

Apply the first coat of membrane to the walls and wall/floor junctions and then place the internal corners into position with a firm action. Then apply membrane to the rest of the floor area. Once the fist coat has dried apply a second coat of membrane building up to a minimum thickness of 0.6mm.

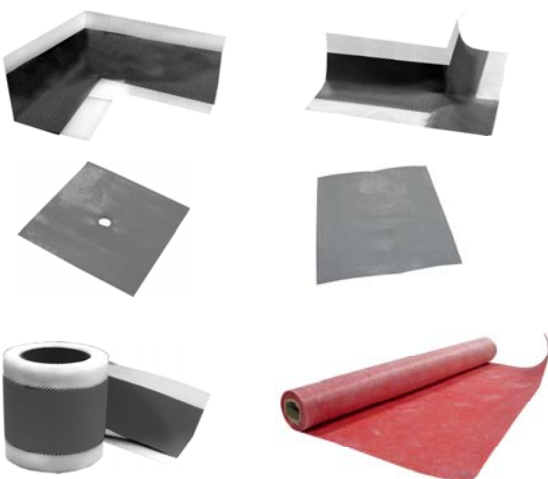
Application Data	
<b>Colour: Tanking Sheet:</b> <b>Tape:</b> <b>Corners:</b> <b>Pipe Collars</b>	Red Grey with white mesh border Grey with white mesh border Grey
<b>Pack Size:</b> <b>Tanking Sheet:</b> <b>Tape:</b> <b>Corners:</b> <b>Small Pipe Collar:</b> <b>Large Pipe Collar:</b>	10mtrs x 750mm wide 10mtrs x 120mm wide 140*140mm 120*120mm Precut 425*425mm No hole cutout
<b>Operating Temperature</b>	5°C - 70°C

**Features**

- Part of the Nicobond Total Wet Room Solution System
- Quick Drying – Tile after 2 hours
- All accessories highly flexible
- Good crack bridging properties
- Low water vapour permeability

**Specification**

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