



UNICLASS L6412:P21	CAW M10
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Technical data sheet

December 2020

# Moisture Vapour Suppressant

**A one component moisture barrier for suppressing residual construction moisture in concrete slabs and/cement screeds. Suitable for use in domestic and commercial Installations.**



## Features

- Suitable for use on sub-floors with up to 95% RH
- Fast drying – first coat approx. 30 minutes\*
- Compatible with Nicobond levelling and smoothing compounds
- Easy to apply
- Non-flammable
- Suitable for use on heated screeds
- Excellent coverage
- Blue colour to show uniform coverage
- Very low VOC emissions
- 6kg



Eco friendly



Floors



Interior



Domestic Areas



Commercial Areas



Under-Floor Heating



Lifetime Guarantee

The compound shall be Moisture Vapour Suppressant 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 Floor coverings), BS 5385 (Tiling) or BS 5325 (Installation of Textile Floor coverings). BS EN 1264 in relation to Water based surface embedding heating and cooling systems.

**Description**

Nicobond Moisture Vapour Suppressant is a one component dispersion moisture barrier for suppressing residual construction moisture in concrete slabs, power floated concrete and sand/cement screeds. It is suitable for all kinds of floor covering when applied in two coats. When fully dry the Moisture Vapour Suppressant can accommodate hygrometer readings up to 95%RH and allows the subsequent application of Nicobond underlayments without priming. The Moisture Vapour Suppressant is fast drying, two coat applications are dry after approximately 60 minutes depending on the substrate, climatic conditions and thickness.

It is not suitable for use on direct to ground substrates without a functioning, structural damp proof membrane. Please refer to Nicobond One Coat DPM for applications where no structural damp proof membrane exists or the relative humidity is above 95% RH.

**Moisture Testing**

Moisture testing should be undertaken in accordance with BS 8203: 2001+ A1:2009.

**Substrate Preparation**

A new concrete base must be at least 6 weeks old (only if a bonded screed is to be applied) thus allowing for the initial drying shrinkage to occur prior to the application of the intermediate screed. The concrete surface must be prepared using suitable mechanical equipment to expose the coarse aggregate and be free from all barriers to adhesion. Ensure the subfloor is sound (in accordance with BS 8204) free from cracks, clean, dry and free from grease and dirt and any other contaminants which might hinder adhesion. Any old adhesive residues should be removed completely before the application of the Moisture Vapour Suppressant.

**Underfloor Heated Screeds**

Moisture Vapour Suppressant can be used on heated screeds that have been installed and commissioned in accordance with BS 8204 Part 1, taking into account the recommendations in Part 4 of BS EN 1264. Turn off the heating 24 hours before application of the suppressant, do not heat again until at least 24 hours after installation of all subfloor preparation products, including levelling compounds, in steps of maximum 5°C water temperature per day up to the system operating temperature.

**Power Float Screeds**

These should be blast tracked using grinding or contained shot blasting as appropriate. Prime the surface with diluted Nicobond Primer in the ration of 4 parts by volume of Water to 1 part by volume of Primer

Suitable for highly impervious floor covering using a three coat application. First coat diluted 1: 1 with water.

Note: Movement joints should not be bridged with the suppressant. The joints should be sealed with flexible jointing products after application of the membrane.

**Mixing**

Nicobond Moisture Vapour Suppressant is ready to use or can be diluted in the ration of 1:1 with water depending on the application.

Shake the bottle well before use.

**Priming**

Highly absorbent subfloors should first be treated with diluted suppressant in the above ratio using a lambswool roller and/or brush. Ensure the entire surface area is treated.

**Application**

Using a lambswool roller or brush apply the first undiluted coat of suppressant onto the subfloor. After approximately 30 minutes depending on temperature, relative humidity and the subfloor, apply a second coat of undiluted suppressant at right angles to the first. Drying time of the second coat will be approximately 60 minutes depending on the aforementioned conditions. Before applying a levelling compound, the last coat of suppressant must be sufficiently dry to accept light foot traffic. Depending on the drying conditions this could be between 2 – 12 hours.

Nicobond Moisture Vapour Suppressant should be overlaid with 3mm, to a maximum 6mm, of a suitable Nicobond Smoothing Compound to protect the film and to provide a uniform absorbent layer for subsequent floorcovering application with an appropriate Flooring Adhesive. The Moisture Vapour Suppressant must not be trafficked between coats and before the levelling and smoothing compound is applied. No more than 24 hours should be allowed to elapse between coats for optimum performance.

Application Data

Specification	Moisture Vapour Suppressant
Consistency:	Thin Liquid
Colour:	Blue
Coverage Neat: Diluted with water 1:1	Approx 50 – 75gm/m <sup>2</sup> Approx 50gm/m <sup>2</sup>
Drying Time:	First Coat: Approx 30 minutes Second Coat: Approx 60 minutes Diluted1:1: Approx 20 minutes
Final Bond Strength:	2 – 12 Hours
Ambient Temperature:	18 – 23°C
Temperature of material and subfloor:	Minimum 15°C to Maximum 20°C
Relative Humidity:	40 – 70%
Flammability:	Non-flammable
Packaging:	6kg



#### **Cleaning**

Wash tools thoroughly with water immediately after use.

#### **Shelf Life**

12 months in original, unopened bottles 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.

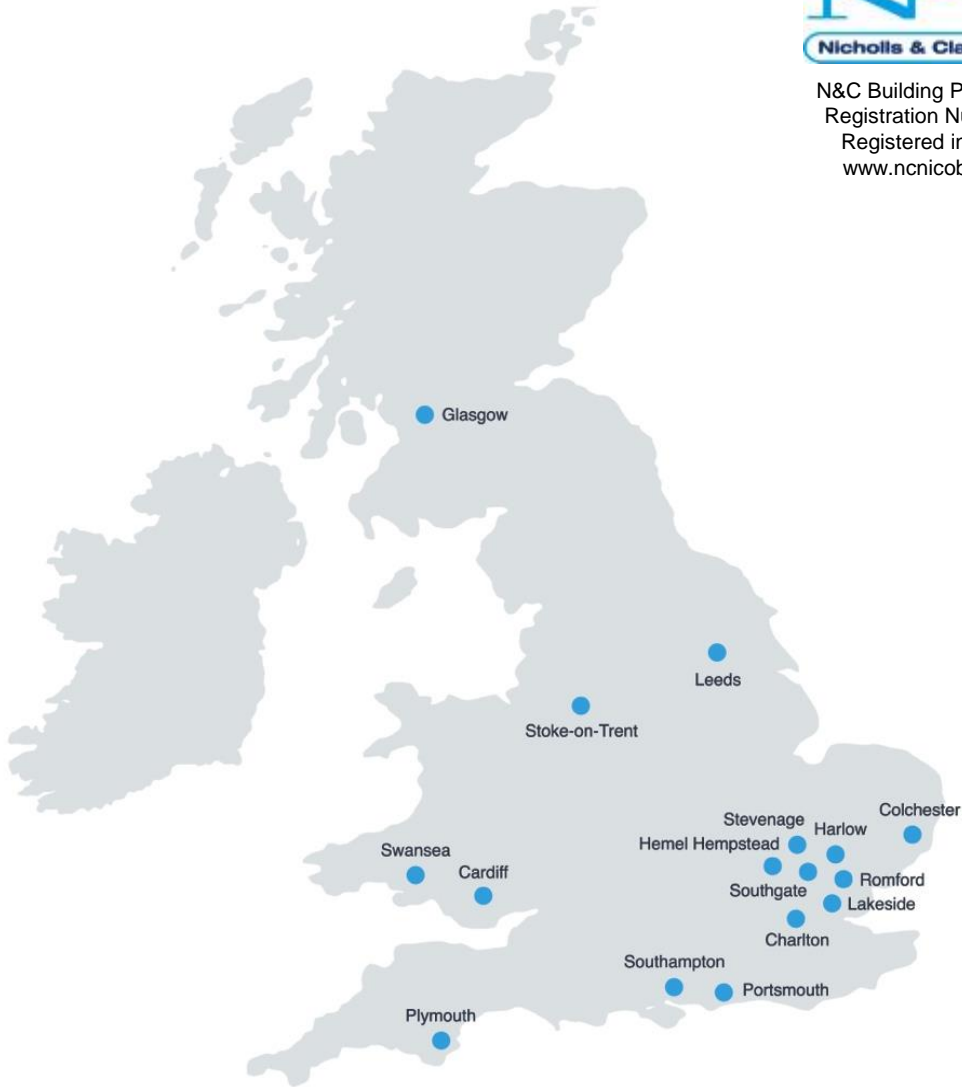
#### **Disposal**

Dispose of empty bottles and/or surplus product in accordance with local authority regulations.

#### **Health & Safety Advice**

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: [technical@nichollsandclarke.com](mailto:technical@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  
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 Glasgow G52 4BN  
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 Flanders Road  
 Hedge End  
 Southampton SO30 2QT  
 Tel: 01489 779700  
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3 - 4 Cardiff Trade Park  
 Hadfield Road  
 Cardiff CF11 8AQ  
 Tel: 02920 390146  
 Fax: 02920 224356

2 City Park Industrial Estate  
 Gelderd Road  
 Leeds LS12 6DR  
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 Lower Park Road  
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 London N11 1QD  
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 Bugsby Way, Charlton  
 London SE7 7SJ  
 Tel: 020 8269 5960  
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 Advent Way, Edmonton  
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 Edinburgh Way,  
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 Lakeside, West Thurrock  
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9 - 11 McDonalds  
 Business Park, Maylands  
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