



UNICLASS L6412:P21	CAW M10
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Technical data sheet

November 2015

## Surface Tackifier

A solvent free modified acrylic emulsion adhesive designed to provide a permanently tacky film for the positive holding of floorcoverings with felt, bitumen and polymer backings.



### Features

- Easy replacement of carpet tiles
- Solvent free
- Non staining
- Acrylic emulsion
- Long open time
- A quick peel-able release system
- Easy to spread
- Can be used over under-floor heating
- 25kg/5kg



Floors



Internal



Under-Floor Heating

The adhesive shall be Surface Tackifier 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.





### Description

Surface Tackifier is suitable for use over normal under-floor heating installations. It can be used to bond PVC backed, polyurethane foam backed, felt backed, needle-punch and fibre bonded carpets, pvc/glass fibre backed, hessian backed and other polymer backings.

It is ideal for carpet tiles enabling them to be easily replaced as required.

Surface Tackifier can be used in domestic, commercial and industrial areas. It is ideal for use in schools, offices, restaurants, care homes, shops, showrooms, warehouses etc.

### Application

For the best results a minimum temperature of 18° C (65° F) should be maintained for the installation with a floor temperature of at least 10° C (50° F).

A brush or paint roller should be used to apply an even coating of the adhesive over the area to be covered.

On metal access floors, care must be taken to keep adhesive out of joints between panels. This is best achieved by applying the adhesive from a tray.

Allow the Surface Tackifier to dry to a clear tacky film before placing any floorcovering in position. This will take approximately 30 minutes. This time may vary dependent on the room temperature, humidity, subfloor porosity and amount of adhesive applied.

Good airflow over the surface will reduce drying times.

A bond will form immediately the floorcovering is placed. When installation is complete a weighted roller or glider should be applied to ensure good overall contact has been established and no air bubbles remain.

The timing of laying the floorcovering will define the type of bond produced. If the floorcovering is laid into the adhesive when wet it will create a permanent style bond.

If the adhesive is allowed to dry before the floorcovering is laid, then this will enable for the floorcovering to be lifted as and when required, without causing extreme damage to either the floorcovering or sub-floor.

### Subfloors

Suitable sub-floors include concrete, sand/cement screed, smoothing underlayment's, plywood, flooring grade chipboard, hardboard, wood and existing well bonded resilient flooring. Direct to earth bases must incorporate an effective damp proof membrane.

There are certain grades of floor boarding that have been treated with 'paraffin wax' to provide a waterproof quality or other types of boards that have been treated with preservatives and fire retardants, these type of boards are not suitable for this type of adhesive.

Please always check the type of floor board in use prior to commencement of the installation.

With existing well bonded resilient flooring care must be taken to ensure the sub-floor under the resilient flooring is suitably stable and the surface of the resilient floorcovering is thoroughly cleaned of any polish, residues etc prior to the installation of the new floorcovering.

If this cannot be done, the existing resilient floorcovering must be removed and the subfloor made good before proceeding.

Sub-floors must be sound, smooth, clean, dry and free from any contamination which will affect adhesion.

### Sub-floors

#### Concrete & Sand/Cement Screeds

Concrete and sand/cement screeds must be dry and laitance or surface treatments removed.

Sand/Cement screeds must have a Relative Humidity (RH) reading of less than 75% or less 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. Direct to earth bases must incorporate an effective damp proof membrane.

#### 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.

#### Under-Floor Heating

Under-floor heating must be switched off for 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 skim will be required using a ScreedPro smoothing underlayment.

#### 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 with Nicobond Primer.

#### Floorboards and T/G Boarding

Tongue and groove boards must be screwed down to the joists every 150mm to provide a rigid and flat surface.

Ensure the substrate is strong enough to support adhesive and the final floorcovering.

#### Plywood/Chipboard Overlays

The plywood must be 5.5mm or thicker screwed/ring nailed at 150mm centres in the middle (grid style) and 100mm centres around the edges.

Use ScreedPro Feather Finish to fill in the joints etc prior to applying Surface Tackifier.



## Substrates

### Metal Surfaces

The surface must be clean, dry, secure and free from dirt and dust. Use Feather Finish to fill in any joints to make the surface level prior to priming and applying Surface Tackifier

### Limitation

If tiles are laid into wet adhesive this can result in a permanent bond being formed.

### Priming

Priming may be required. See table below.

Surface	Primer
Porous Substrates	Nicobond Primer (diluted 1:4 with water)
Non Porous Substrates	Nicobond Primer (diluted 1:1 with water)
Applications in excess of 50mm	Nicobond Primer (diluted 1:3 with water)
Calcium Sulphate Screeds	Consult Technical Support

## Technical Information

Specification	Surface Tackifier
Colour	Off White
Type	Acrylic Emulsion
Coverage	6 - 10m <sup>2</sup> per kg depending on tool used and absorbency of subfloor.
Application	Paint Brush / Paint Roller
Open Time	Allow to dry approx 30 minutes at 20°C
Viscosity	Approx 8,000 cps at 20°
Floor Temperature	Minimum 10° C
Packaging	25kg, 5kg

### British Standard – Guidelines

All aspects of the installation must be in accordance with the requirements of the following standards:

BS5325 The installation of Textile Floorcoverings  
 BS8203 The installation of Resilient Floorcoverings  
 The CFA Guide to Contract Flooring

## 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.

### Tools

Suitable brush or paint roller.

### Cleaning

Wash tools thoroughly with water immediately after use whilst the adhesive is wet. A appropriate solvent can be used if the adhesive has dried. Do not use on skin.

### Shelf Life

12 months unopened from the date of packing.

### Storage

This product must be stored clear of the ground, under dry conditions, out of direct sunlight, between 5°C and 30°C. Protect from frost. If allowed to freeze N&C Building Products cannot guarantee the performance of the product.

### Health & Safety Advice

Surface Tackifier 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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