



GUARDIAN^{FB}
Fluid Barrier Broadloom Carpet

SPECIAL
INSTALLATION PROCEDURES & REQUIREMENTS

To be read in conjunction with our standard
Technical Bulletin – Broadloom Carpet *Installation Procedures & Requirements*.
(Available upon request, or online @ www.northstatecarpets.com.au)

Please read this entire technical bulletin carefully prior to starting any installation.
Failure to comply with these instructions may void specific product warranties!

Backing System: GUARDIAN^{FB} Fluid Barrier Broadloom Carpet Backing System

Installation Method: Direct-Stick Only

1. Floor Preparation

Each sub floor shall be inspected to determine the special care required to make it a suitable foundation for GUARDIAN^{FB} broadloom carpet. The sub floor must be level and smooth, clean and dry, and free of dust, dirt, paint, adhesive, oil, grease and any other contaminants that may adversely affect the installation and adhesion of GUARDIAN^{FB} broadloom carpet to the floor.

Note: It is imperative that all substrates be porous when installing GUARDIAN^{FB} broadloom carpet to facilitate the correct curing of the adhesive, allowing for the dissipation of water from the adhesive emulsion into the sub floor. This includes the removal of any previous sealer/moisture barrier application, such as Roberts Medi-Seal.

a) Concrete

New concrete shall be cured, clean and dry. At least 90-120 days are to be allowed for a concrete slab to cure and reach an acceptable dryness. It shall be free of curing and parting agents that interfere with the bonding of the adhesive. In order to prevent product and adhesive problems due to moisture and alkali, the owner or general contractor/builder shall be responsible for providing written moisture and alkali test results relating to the concrete slab **prior to the installation. The relative humidity must not exceed a 'hygrometer' reading of 70%, and the pH value must not exceed 9.** Moisture test results obtained from an *electrical resistance metre* that only uses non-penetrating surface contacts and not in situ probes (inserted electrodes), will not be considered as a valid test method.

Note: Moisture emissions in excess of the recommended levels can cause the adhesive to chemically break down and fail. This condition can result in the bubbling of the carpet.

Due to their porosity; new concrete floors, floors where a patch or levelling compound has been used, and existing old porous floors must be primed with GS400 Floor & Wall Primer, or equal approved by Northstate.

2. Carpet Cutting

Row cutting from the face is recommended with sharp cutting tools, whilst maintaining sharp blades at all times. Row cut edges removing a minimum 25mm (~1") of GUARDIAN^{FB} from the factory selvage edge. Do not double cut seams and cut each seam edge seperately.

3. Adhesive and Trowel Notch Size

Installation is by directly adhering the carpet to the sub floor using one of the following required adhesives, or equal approved by Northstate:

- a) Multipurpose Vinyl Adhesive; Green Solutions GS200
- b) Hi Tac Wall & Sheet Vinyl Adhesive; Green Solutions GS220

The following trowel size is required when using the above adhesives;
2.4mm x 2.4mm x 2.4mm "V" Notched Trowel
(Approximate coverage rate up to 3m² per litre)

A short tack up time may be required to assist in 'hold down' of the carpet, dependent upon site conditions.

Note: Lack of adhesion is most often caused by moisture, contaminants, incorrect trowel, improper adhesive selection &/or incorrect open time. Adhesives must be applied in strict accordance with the adhesive manufacturer's instructions.

4. Seaming and Joining

All seams and cross joins are to be seam sealed using a solvent based seam sealer that will effectively create a *cold-weld* and provide an impervious seam.

All seams and cross joins must be adhered using a 3mm bead with one of the following required adhesives, or equal approved by Northstate: GS1, or Polymer 500.

Note: For additional impermeability, perimeter carpet edges at walls and other vertical surfaces may be sealed by applying a small continuous bead (approx. 3mm) of clear silicone between the carpet edge and the vertical surface.

5. Rolling

Roll the GUARDIAN^{FB} broadloom carpet within one hour of installation, with a roller weighing 25-35kg (~50-75lbs.). Roll in both directions, whilst being careful not to over roll.

Note: Do not allow heavy traffic for 24 hours after installation is completed.

6. Transitions

Where GUARDIAN^{FB} broadloom carpet transitions to another floor covering material, Northstate recommends the carpet edges be protected or covered with appropriate transition mouldings. For those edges where transition mouldings can not be used, the recommended finished pile height is 2mm above the adjacent floor finish.

Note: Improperly protected edges can lead to edge deterioration with unsightly results.