Installation Guidelines

Boulevard Secondary Barrier Matting

These installation guidelines apply to the following Gradus products:
Boulevard 7000, Boulevard 6000, Boulevard 5000, Boulevard Stripe and Boulevard 1500.

Preface

These sheets have been compiled to present a basic overview of procedures when installing Gradus Boulevard secondary barrier carpet and carpet tiles. It has been designed as a guide for users of our products, and should be read in conjunction with relevant British Standards and codes of practice i.e.

BS 5325:2001 - Code of practice for installation of textile floor coverings
Carpet installation manual - Published by RBI (Europe) Ltd for The National Institute of Carpet and Floor layers (NICF)

Before installation, inspect the Boulevard Secondary Barrier Matting for any visible defects and when multiple cuts, rolls or boxes of tiles are involved, please ensure that all stock is from the same production batch. Any inconsistencies, faults, or damages must be reported to Gradus immediately, prior to beginning the installation.

As with all textile floor coverings, it is essential that the correct installation techniques, materials, accessories and tools be used if a trouble-free installation is to be achieved.

The following instructions will assist in saving time on the installation and avoid costly callbacks for restretching etc.

Should you require any additional advice prior to installation please contact Technical Support on 01625 428922.

Introduction

Installation of Secondary Barrier Matting in Contract Areas

The Gradus range of cut-pile and needlepunch secondary barrier matting are available in different formats and the table below details the recommended adhesive products for Boulevard secondary barrier matting.

Gradus Limited provides this information only as guidance and the legal responsibility for the supply and performance of the adhesives listed below shall remain the sole responsibility of the relevant manufacturer.

By providing this information, Gradus Limited does not imply any equivalents between each of the different manufacturers' products, or that other products would prove unsatisfactory. However, use of adhesives not recommended by Gradus should be supported by a guarantee from the adhesive supplier.

Boulevard Secondary Barrier Matting

Application of the named adhesive must be actioned in strict accordance with the relevant manufacturers' instructions.

If you have any queries regarding adhesives, please contact the adhesive manufacturer directly.

Gradus Product	Manufacturer	Product Reference	Contact number	Website
Boulevard 7000 (Roll)	F. Ball and Co. Ltd	F45, F46, F58+, F60, F66	+44 (0) 1538 361 633	http://www.f-ball.co.uk/
Boulevard 6000 (Roll)		F45, F46, F58+, F60, F66		
Boulevard 6000 (Tile)		F41		
Boulevard 5000 (Roll)		F45, F46, F58+, F60, F66		
Boulevard 5000 (Tile)		F41		
Boulevard Stripe (Roll)		F45, F46, F58+, F60, F66		
Boulevard 1500 (Roll)		F45, F46, F58+, F60, F66		
Boulevard 7000 (Roll)	Tremco Illbruck Ltd	SF 105, SF 108	+44 (0) 1942 251400	http://www.tremco-illbruck.co.uk/
Boulevard 6000 (Roll)		SF 105, SF 108		
Boulevard 6000 (Tile)		SF 200		
Boulevard 5000 (Roll)		SF 105, SF 108		
Boulevard 5000 (Tile)		SF 200		
Boulevard Stripe (Roll)		SF 105, SF 108		
Boulevard 1500 (Roll)		SF 108, SF 512		
Boulevard 7000 (Roll)	Uzin Ltd	KE2000s, KE66, KE49 HT, KE2428 NEW	+44 (0) 1788 530 080	http://www.uzin.co.uk/
Boulevard 6000 (Roll)		KE2000s, KE66, KE49 HT, KE2428 NEW		
Boulevard 6000 (Tile)		UZIN U2100, UZIN Unifix		
Boulevard 5000 (Roll)		KE2000s, KE66, KE49 HT, KE2428 NEW		
Boulevard 5000 (Tile)		UZIN U2100, UZIN Unifix		
Boulevard Stripe (Roll)		KE2000s, KE66, KE49 HT, KE2428 NEW		
Boulevard 1500 (Roll)		KE2000s, KE66, KE49 HT, KE2428 NEW		

Boulevard Secondary Barrier Matting

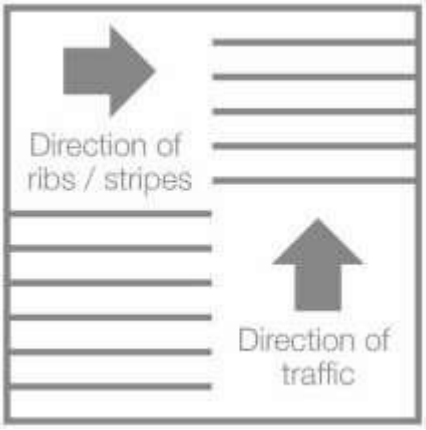
Sub Floor

The subfloor should be prepared as per BS 5325:2001 - Installation of Textile Floor Coverings Code of Practice. Before laying the secondary barrier matting the sub floor should be checked to ensure that it is in good condition to receive the floorcovering. The sub floor should be clean, free from contamination, smooth and free from indentations and ridges, which could have an effect on the appearance and wear of the secondary barrier matting. When installing secondary barrier matting onto concrete or cementitious sub floors it is extremely important to ensure that the sub floor is dry and the relative humidity is below 75%. This can be checked using a hygrometer or other specialist products such as one of the Protimeter range of instruments.

Installation Guidelines

Conditioning
All textile materials, adhesives, etc should be conditioned in the area in which they are to be used for a period of 24 hours before they are installed. If installing tiles, these should be removed from their boxes to condition.

PLEASE NOTE: Boulevard 7000, Boulevard Stripe and Boulevard 1500 must always be laid with the ribs / stripes running at a 90° angle to the direction of traffic



Direct Adhesion - for Impervious Secondary Barrier Matting

Step 1
The secondary barrier matting is laid out and cut oversize by about 50mm to allow for subsequent trimming in. The position of any seams is marked on the sub floor using a chalk line.

Step 2
The secondary barrier matting is turned back to about half its length or width, as appropriate, and the adhesive spread on the sub floor following the guidelines as set out by the adhesive manufacturer. The secondary barrier matting is then rolled or glided to ensure adhesive transfer. The procedure is repeated for the second half of the secondary barrier matting.

Step 3
The edges of the secondary barrier matting are trimmed to ensure a neat finish. After approximately 1 hour the secondary barrier matting is glided or rolled to ensure correct adhesion.

Step 4
Ensure, when more than one width of Boulevard 1500, Boulevard 7000 or Boulevard Stripe is being laid, that seams are cut parallel through the ribs / stripes of the carpet to maintain consistent pattern repeat.

Seaming
The use of a proprietary seaming adhesive is not necessary when installing PVC impervious backed secondary barrier matting.

Installing secondary barrier matting on stairs*
A suitable stair edging, available from the Gradus range of stair edgings, should always be used on stairs.
*Please note Boulevard 7000 and Boulevard Stripe are not recommended for use on staircases.

Installation of Secondary Barrier Matting Tiles

General
Secondary barrier matting tiles should be removed from their boxes and conditioned on site for at least 24 hours before fitting.

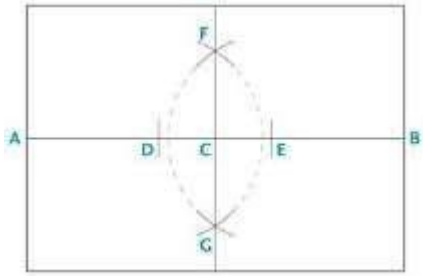
An arrow on the back of the tile indicates the pile direction. Tiles should always be laid with the arrows in the same direction to create a broadloom effect.

Setting Out
Before setting out for the installation, it is essential to ensure that the sub floor is clean, dry, level, smooth and free from contaminants. To obtain a high standard of installation it is necessary to plan your setting out carefully.

The correct starting point for setting out is the centre of the area to be tiled. It should be noted however that the final starting point for the installation might be offset from the centre line to ensure the correct size and balance of the side cuts.

There are several ways of determining the centre of an area depending on the shape of the room.

Regular Areas

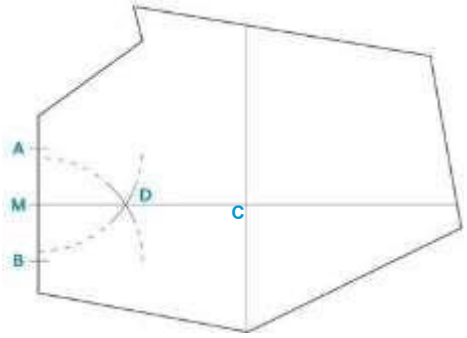


1. Measure the two shortest walls at opposite ends of the room and mark the centre points A and B.
2. Strike a chalk line between these two points making a line AB. Measure the length of this line mark the centre C.
3. Mark two points on this line D and E one metre from C.
4. Scribe arcs from D and E to cut at F and G.
5. Join F and G with a chalk line and extend the line to the walls. This line should pass through point C. The two lines AB and FG will form a right angle at C. This can be checked by using the 3,4,5 rule.
6. The centre of the area to be tiled has now been determined and two datum lines made.

Installation Guidelines

Boulevard Secondary Barrier Matting

Irregular Areas
This method is similar to that for regular areas.



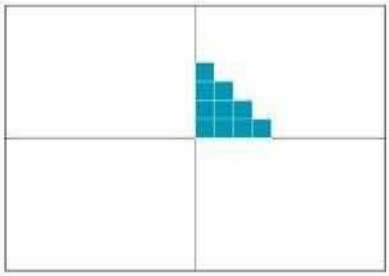
1. If the area to be tiled is irregular, take any convenient wall and determine the midpoint M.
2. Mark two points A and B on this line one metre from M.
3. Scribe arcs from A and B to cut at point D.
4. Strike a chalk line from M through D and continue to the opposite side of the room.
5. Measure the length of this line and mark the centre point C.
6. Following the procedure for regular rooms, determine and draw a right angled cross line. This can be checked using the 3,4,5 rule.

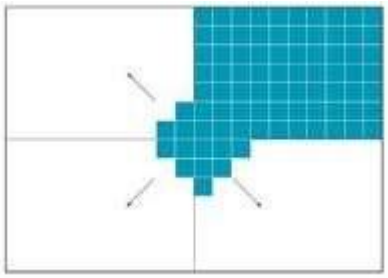
Having determined the centre point of the area to be tiled and drawn the two datum lines at right angles to each other, it is advisable to have a dry run to ensure that the proposed layout will balance and that there will be no awkward size filling pieces to be cut. If necessary the datum lines can be adjusted to ensure a balanced installation.

Laying the Tiles
Gradus recommend that tiles be installed over a tackifier adhesive. The tackifier should be applied according to the adhesive manufacturers' recommendation. The tackifier should be allowed to dry to a clear tacky film before laying the tiles. Tiles should not be laid into wet tackifier as this will result in a permanent bond.

The starting point for the installation should be as near to the centre of the room as possible.

Starting at the intersection of the two datum lines the tiles are built up in a pyramid fashion using the step technique. It is important to ensure that the tiles are butted up tightly together, taking particular care to prevent the trapping of pile between adjacent tiles.

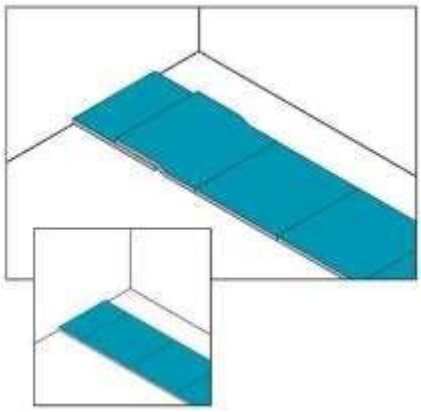




Having completed the first quadrant, the remaining quadrants can be completed. Growth should take place, not along the datum lines but along an imaginary diagonal line.

Cutting Perimeter Tiles
There are several methods, which can be used to obtain an exact fit of the perimeter tiles.

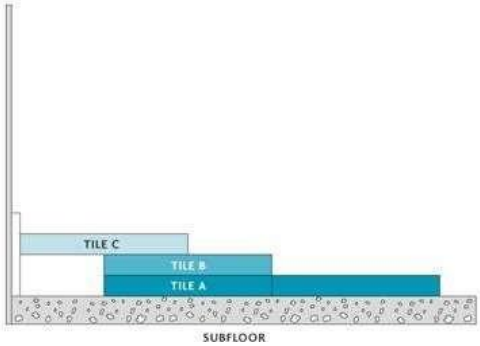
Method A
When the last full tile has been fitted take another tile, turn it upside down and slide it under the last full tile, ensuring that it is tight against the wall and with the pile running the right way.



Using the final tile as a guide cut the upside down tile with a sharp knife. Turn the cut tile over and lay it tight against the wall.

Method B
When the last full tile, A, has been fitted, a second tile, B, is placed directly on top. A third tile, C, is now placed face up on top of tile B, but butting up tightly against the wall.

A small incision is now made with a sharp knife on each side of tile B where tile C overlaps.



Having removed tiles B and C, tile B is turned over and using a straight edge, the tile is cut from the back. The cut tile will fit exactly between tile A and the wall.

Installing secondary barrier matting tiles on stairs
When installing secondary barrier matting tiles on stairs the tiles are cut to fit each individual stair tread and riser and adhered with a permanent adhesive.

A suitable stair edging, available from the Gradus range of stair edgings, should always be used on stairs.

Installation Guidelines

Boulevard Secondary Barrier Matting

References
It is strongly recommended that the installer be fully conversant with the information and recommendations contained in the following publications:

BS 5325:2001 Code of practice for the installation of textile floor coverings

The Official NICF Carpet Installation Manual

Reference to adhesive manufacturers instruction leaflets is also recommended

Notes
To comply with Gradus warranties, appropriate Gradus stair edgings must be fitted on all stairs.

For further information contact Gradus Technical Support on 01625 428922

Refer to the sample book to check the appropriate tile laying direction.

Gradus Limited Park Green Macclesfield Cheshire SK11 7LZ England UK Tel: 01625 428922 Fax: 01625 433949
For enquiries outside the UK and Eire contact Gradus International on +44 (0)1625 613780

www.gradus.com