



PERFORMANCE SPECIFICATION FOR GRANSPRUNG FLOORING

On to a concrete subfloor of less than 5% moisture content left 45mm below finished floor level and laid to the tolerance of levels required in the finished floor, supply and install two layers of 1000 gauge polythene slip membrane with all edges lapped and sealed with sealant strip. This system membrane should be returned up against external walls and should comply with the Packaging and , Industrial Films Association Voluntary Standard 6/83.

Supply and install on to the slip membrane Gransprung area elastic composition block multi purpose sports flooring system to an overall thickness of 45mm such that the floor is classified as 'Impact Energy Absorbing' under British Standard 7044 part 4 and is classified as A1 Heavy Duty under the Sports Council Specification for Artificial Sports Surfaces.

Construct the Gransprung floor by combining 174mm x 57mm x 10mm (nominal) ribbed back Granwood composition flooring blocks, (as defined by BS 5385 part 5) of colour laid pattern in Granfix PA polyurethane adhesive, with an area elastic undercarriage constructed by gluing and stapling together two layers each of 12mm thick Resin Bonded Building Board conforming to EN312: 1996. Part 5 (sheet size: 2440mm x 1220mm) laid with a 2mm joint around every board in each layer and so that no joints in the boards coincide, the bottom layer of boards having a predetermined grid of 75mm x 75mm x 12mm thick closed cell cross linked polyethylene foam resilient pads adhered to it such that there are 21 resilient pads per square metre of flooring. As the floor is installed, a 20mm expansion gap is created to the perimeter of the floor and filled with a 20mm wide continuous closed cell foam strip cloaked with a suitable skirting or flexible polysulphide joint. Upon completion, grout all joints with Granwood grout in matching colour, machine sand the whole floor surface and seal with 3 coats of Granguard Aqua polyurethane seal.

As part of the floor installation, create the standard detail at external doors by supplying and installing dovetailed keyway Granwood composition flooring blocks on a 38mm cement/sand (1 :3) fixing bed to an overall thickness of 45mm within the recess of the external doors to create a solid infill between the Gransprung floor and the external door frame threshold. Grout, sand and seal this infill along with the main floor area. Supply and fit aluminium cover strip over the 20mm expansion gap between the infill and the Gransprung floor.

Throughout the works, heating (so that the building maintains its normal working environmental conditions and a minimum temperature of 8°C), full permanent lighting and 230 volt electrical power will be required.

Games line markings:

Provide Granline maintenance free inlaid court markings by creating a groove within the Gransprung floor of the appropriate width, 10mm deep which is filled with polyurethane Granline compound in contrasting colours.

or

Surface paint court markings using Granpaint polyurethane paint between the 1 st and 2nd coats of seal.

For the following sports:	Badminton	40mm wide line	White
	Basketball	50mm wide line	Black
	Volleyball	50mm wide line	Green
	Netball	50mm wide line	Red
	5 a side	50mm wide line	Blue
	Hockey	50mm wide line	Orange

5 a side and hockey may be either a full court or just D's.

Please note, for indoor sports surfaces BS7044 states that any localised bumps or hollows shall not be greater than 6mm when measured using a 3m straightedge and not greater than 3mm when using a 300mm straightedge. Deviation from the finished plane shall be not greater than ±6mm at any point on the floor area.

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