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HB TEMPERED 6.4MM HARDBOARD STAGE FLOOR INSTALLATION

Preparation

Sub-floor to be clean, flat and structurally sound.

Ensure the sub-floor is level to within a tolerance of 3mm in 3m and 1mm within 150mm.

Conditioning

For best practice conditioning may be applicable to allow the HB Tempered sheets to reach equilibrium with its surroundings before being fixed to the sub floor. HB Tempered is to be conditioned by wetting the back of the board with water at least 48 hours before fixing.

Each sheet requires approximately 0.9 litres of water per 2440 x 1220 x 6.4mm sheet (3.2 litres over 10m²). Apply the water with a fine spray and brush into the back surface with a stiff broom. (Eg. Truck wash Broom)

Stack the sheets flat, back to back for the required period.

After conditioning lay HB Tempered smooth side up in brick bond pattern ensuring that the joints do not coincide with the sub floor layer below.

Sheet size: 2440 x 1220 x 6.4mm

Edges of board may be lightly arrised if necessary.

Allow a 5.0mm gap around the perimeter of the floor and a minimum of 1.5mm gap at joints on all sides.

For Best Practice:

Screw fix at 150mm centres – 10mm in from edge of board and 300mm centres throughout the body of the sheet. Screw holes should be pre-drilled and countersunk.

NB: The hole diameter should have a light slight clearance for the shank of the screw to allow for movement. Self bedding screws are not to be used. Commence fixing each sheet from the centre and work out to the edges.

Alternatively

For fewer exposed screw heads, a combination of screws and glue may be used. Space screws at 300mm centres around the perimeter of the sheet 10mm from the edge and at 600mm centres throughout the body of the sheet.

For intermediate fixings between the screws apply a 5mm bead of adhesive around the perimeter of the sheet and at 600mm centres through the body of the sheet. Suitable adhesives are wallboard or construction adhesives unless a flexible adhesive is needed. In such cases, a PVA or Polyurethane is recommended. Refer to adhesive manufacturers recommendations for best practice for applying their adhesive.

Gap Filling

Where hygiene needs to be considered such as in Restaurants, the joints may be filled with a flexible silicon expansion filler.

Finishing

Surface coating such as polyurethane or liquid non-slip wax are advised for the increased protection of the HB Tempered floor surfacing. Alternatively, two coats of a matt black chalkboard paint may be applied to soften the stage lights if required.

