

Resin Flooring Timber Subfloor Construction



Gloss Epoxy Screed



Introduction

Where there is a requirement to lay Epoxy or Polyurethane resin systems onto a new or existing suspended floor construction the following guidelines should be followed to ensure the maximum security of the product. Note; In areas where prolific spillage or wash-down is expected a concrete or cementitious substrate is preferable.

Specification

The subfloor should be constructed of min 25mm W.B.P/Marine plywood.

Fixing

The subfloor must be supported on stable joists which are securely anchored max. 400mm centres. The plywood must have tongue and groove joints (or >30mm overlap-halving joints) on all sides. Tongues or halving joints must be fully glued, tightly-butted and screw fixed at max. 150mm centres (screw-heads pulled below surface), with all board-joints fully supported to avoid tramping under traffic. Localised differential or flexural movement, such as across a joint, may result in a fracture within the resin finish. In all circumstances joints should be stopped-in with epoxy or polyester filler and where Vuba Supplies or other aesthetically-sensitive products are to be installed, screw-heads should also be filled flush with the surface. Where the supporting joists are bedded onto a structural slab it is essential that they are firmly fixed down in a mechanical manner to ensure NO tramping of the floor exists when accessed or trafficked. All flush abutting junctions of the timber construction to solid elements of the building should incorporate a movement joint, which should then be cut through the resin topping.

Coving

If a perimeter coved up-stand is to be installed, a vertical support plate will be required (typically 100mm – 150mm high), fixed to the timber subfloor to provide support for the back of the resin coved upstand, whilst isolating it from solid perimeter walls. The upper edge of the support plate should incorporate a bird's beak or lip to receive the upper edge of the resin up-stand. The void between the support plate and the solid wall should then be filled with a suitable, flexible jointing compound, to prevent moisture ingress

Further Preparation

On completion the surface should be lightly sanded to remove any contamination, significant surface irregularities and articulation of the joints. When applying Epoxy or Polyurethane Floor Screeds, Vuba-Epiprime epoxy primer must be installed before hand to ensure a maximum bond to the substrate. Please consult the relevant product data sheet for detailed application guidance.

Note: where construction detail is in question please consult the Vuba Technical Department, however it is the obligation of the construction and installing contractors to ensure that the integrity and regularity of the subfloor satisfies the requirements of the proposed system before installation is undertaken.

Application



Final Finish

