

LUXURY VINYL TILE (LVT) ON TIMBER SUBFLOORS WET ROOMS WATERSPLASH INSTALLATION SYSTEM ALTERNATIVE SOLUTION - E3/AS1 BUILDING CODE- INTERNAL MOISTURE FOR FINISHES TO FLOORS: KITCHENS, TOILETS AND LAUNDRIES

Must be read in conjunction with E3/AS1 November 4th 2021 Building Code. The following information is based on adhesive performance only to assist in the Alternative Solutions options for the installer. It is essential the LVT supplier provides their own documentation as to the floorcoverings suitability as required by E3/AS1.

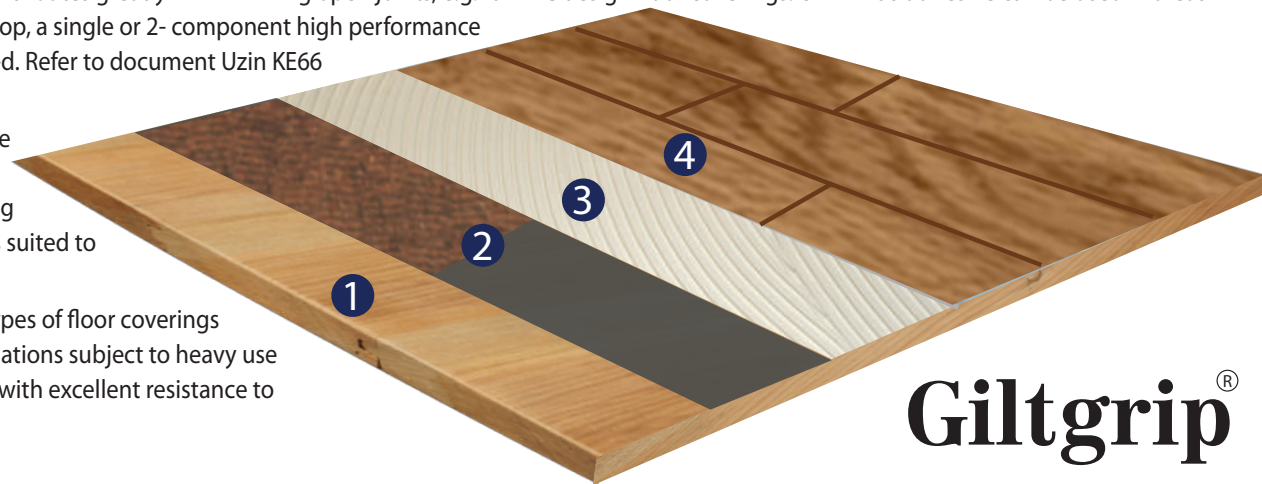
- 1 Composite Timber Subfloor Sheet Type: Particle Board/Plywood/Strandfloor.
NB: For Cross Laminate Timber (CLT)/Parallel Laminated Timber (PLT) Type Construction Panel Subfloors: Contact Gilt Edge Technical for project specific system advice and selections.
- 2 **OPTION A.)** Sheet Overlay: Trimtec Hardboard 5.5mm thickness
OPTION B.) Levelling System: UZIN PE650 Flexible filler/primer with 3mm minimum thickness UZIN NC196 Fibre Reinforced.
- 3 **ADHESIVE OPTION 1:** Giltgrip® 88 LVT/Vinyl Adhesive
ADHESIVE OPTION 2: UZIN KE66 Fibre Reinforced Adhesive
ADHESIVE OPTION 3: UZIN KE68T 1- Component Hybrid Adhesive
ADHESIVE OPTION 4: UZIN KR430 2-Part Adhesive
- 4 Luxury Vinyl Tile (LVT) as Specified: Refer to supplier/manufacturer regarding E3/AS1 code compliance.

Giltgrip® 88 PVC Tile & Vinyl Adhesive is a high performance, low VOC, acrylic based adhesive specifically designed for the installation of PVC planks and tiles. This low VOC formulation exhibits excellent plasticizer resistance and is formulated to provide quick initial grab for excellent adhesion. Giltgrip® 88 is formulated for interior use only. When exposed to prolonged water forms from the top, a single or 2- component high performance 'urethane type' adhesive such as UZIN KE68T 1-part or UZIN KR 430 2-part must be used. Refer to document Giltgrip® 88 Statement of Usage E3AS1 08122021.

UZIN KE66 Fibre-reinforced adhesive is a highly shear-resistant dispersion adhesive contributes greatly in minimizing open joints, e.g. for PVC design floor coverings. Uzin KE66 adhesive can be used in areas subject to elevated temperatures. When exposed to prolonged water forms from the top, a single or 2- component high performance 'urethane type' adhesive such as UZIN KE68T 1-part or UZIN KR 430 2-part must be used. Refer to document Uzin KE66 Statement of Usage E3AS1 12112021

UZIN KE68T adhesive is a single component high performance 'urethane type' adhesive that is suited to a large range of installations requiring high dimensional stability in extreme conditions such as sun-drenched areas, high point loading and areas requiring water-resistance from the top of the floorcoverings (wet areas). Uzin KE68T adhesive is suited to installations on floors and walls.

UZIN KR 430 is a 2-component polyurethane adhesive ideal for the installation of all types of floor coverings that demand reliable bonding in extreme conditions. Suitable for floor covering installations subject to heavy use and rolling loads, UZIN KR 430 cures to an extremely high final strength and hardness with excellent resistance to plasticizers, surface moisture and temperature exposure.



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The Functional requirement given in the clause E3.2 is the "building must be constructed to avoid the likelihood of – (a) Fungal growth or the accumulation of contaminants on linings and other building elements; and (b) Free water overflow penetrating to an adjoining household unit; and (c) Damage to building elements being caused by the presence of moisture"