

COMPLIANCE SUBMISSION
SDZ22A/0005
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ROF-025 BUILT-UP REINFORCED BITUMEN MEMBRANE WARM DECK ROOF COVERING & EXTENSIVE SEDUM BLANKET GREEN ROOFS

As ROF-020 BUILTUP REINFORCED BITUMEN MEMBRANE WARM DECK ROOF COVERING – TAPERED INSULATION TO FALLS and;

ROOF TYPE: Paraflex Total Warm Roof as ROF-020 BUILTUP REINFORCED BITUMEN MEMBRANE WARM DECK ROOF COVERING – INSULATION TO FALLS

SUBSTRATE: Deck to Project Engineers Specification

SLOPE: Minimum finished falls of 1 in 80.

WATERPROOFING: Paraflex ARD/HS Anti Root 4mm slate granular surfaced, Elastomeric, SBS Modified Bitumen, non-woven continuous polyester thread reinforced bitumen compound membrane. As ROF-020 BUILTUP REINFORCED BITUMEN MEMBRANE WARM DECK ROOF COVERING – DECK TO FALLS

PROTECTION: VLU 300 Protection Fleece.

MOISTURE CONTROL LAYERS: DE-25H Water-retention and flow-delay drainage board. 25mm deep drainage & reservoir board, loose laid and overlapped by 1 cell at side and end laps.

ATTENUATION VALUE: 0.060m³/m².

GROWING MEDIUM: Moy Extensive Green Roof growing media at Min 60mm depth after consolidation and settlement. The Green Roofs on the project shall conform to the requirements of “Fire Performance of Green Roofs and Walls -DCLG UK:2013”

DEPTH: Minimum depth 60mm after consolidation and settlement.

VEGETATION: 20mm thickness Moy pre cultivated Sedum Mix species blanket, with biodiversity species mix.

ACCESSORIES: Inspection Chambers for rainwater outlet positions type KSA (horizontal spigot).

Moy Aluminium gravel edge trims.

Moy Diasafe EN795:2012 non penetrating safety system to project specific design calculation.

VEGETATION: Pre-cultivated Irish Grown Sedum Blanket by Moy Materials Ltd.

KSE15 RAINWATER OUTLETS INSPECTION CHAMBERS: Install at each rainwater outlet position, KSE15 300 x 300 x 150mm rainwater outlet inspection chamber, with lockable cover, featuring rainwater overflow screen. Installed on drainage board and wrapped in VLF150 filtration fleece to prevent fines entering the drainage system. Surrounded by a 300mm band of rounded washed gravel nominal diameter 20mm in accordance with FLL guidelines.

KLS AL ALUMINIUM EDGE TRIMS: Install Diadem (Aluminium or Stainless Steel) KLR gravel boards 80 x 120 x 2000mm to create a vertical separation of the living roof and surrounding gravel boarder. Install loose laid and ballasted in position with growing media and rounded washed gravel nominal diameter 20mm. Install butt jointed with butt straps fitted to ensure alignment. Utilise prefabricated 90° corners and cut and fold on site to form other angles.

Install Fall Protection System, CE-marked ballasted safety system against fall, standard EN795:2012 (valid since 31.01.2013), class A and C certified, as fall arrest or fall restraint system.

Installed without penetrating the water proofing membrane, with stainless steel cable (8mm) parallel with the parapet wall, incl. all accessories made of stainless steel, resistant to acid rain in industrial regions and salt air in coastal regions and with “Amoeba”-shaped damping plate, with a fibreglass laminated cone and laminated ballasting mat, in signal-green colour, with height-marking lines for assisting measurement of ballast material in dry conditions at 80 kg/m² (with additional FGT-180 ballasting mat from 30 kg/m²) distributed evenly over the whole ballasting mat surface, supplied as fully-functional system ready for immediate professional installation according to the approved implementation plan and laid out using guidelines provided by the manufacturer.

VEGETATION BARRIER PAVING / GRAVEL.

Material: Rounded washed pebble, nominal diameter 20mm, free from fines and cracked or broken stone.

Depth: 75mm.

Width: To project Architects details.

For loadings please refer to ROF-061 MAXIMUM PERMITTED GREEN ROOF LOADS