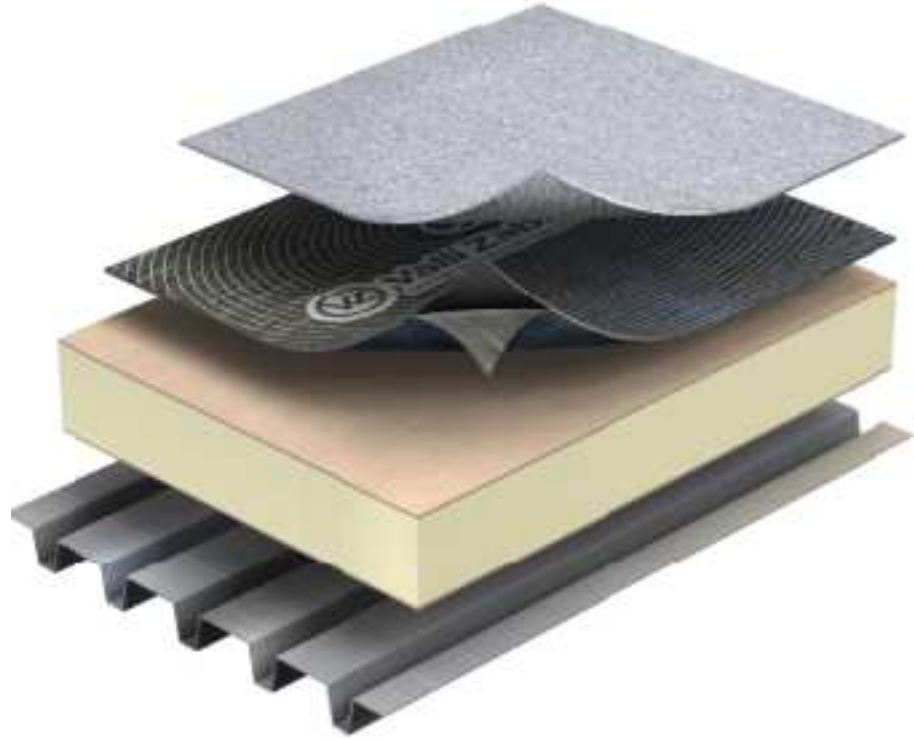


Code RS1.3

Insulated Exposed Technical Roof

Extragum Green-Energy 2-layer system

Premium quality, high performance bituminous warm roof system for exposed technical flat roofs with metal deck. The cap sheet is available with reflective REFLEVAL surfacing for Cool Roof or other colours for architectural purposes. This system is EPD and LEED compliant.



This system is for new build. Suitable for steel decks.

Build-up	2-layer system
Slope	2%
System	Torch applied cap sheet / Thermo-adesive base layer
Insulation	Mechanically fixed
Type	New roofs
Deck	Steel deck
Certification	EPD and LEED compliant
External Fire Performance	BRoof T2 (see note 2)



	Build-up	mm
4	Waterproofing, top layer Cap sheet modified bitumen membrane with high recycled material content membrane, EXTRAGUM GREEN-ENERGY MINERAL , fully torch applied	5,2
3	Waterproofing, Base sheet SBS modified bitumen membrane, TERMOVAL 4PL , adhesive	4,0
2	Insulation, PIR rigid polyiso foam panels multi-paper faced 0,022W/mK , 150kPA mechanically fixed	100
1	Structural - Steel deck	

Note (1) **Adesival VAP 2mm** vapour barrier only in case of high hygrometry buildings
 (2) In case of high external fire performance Extragum Green-Energy can be substituted with **Professional 20 Mineral Fire Defence**

Method of Application

- (Only for high hygrometry buildings) Install Adesival VAP 2mm adhesive vapour barrier on horizontal surface with minimum 10 cm overlapping and along all upstands with a minimum height 5cm higher than insulation,
- Install PIR insulation panels with staggered joints, mechanically fixed with D70mm steel plates and screw,
- Install Termoval adhesive base layer over PIR insulation board. Side lap and head lap 100mm, head joints 1m staggered,
- Install Extragum Green-Energy Mineral (or Professional Fire Defence) cap sheet fully torched, Side lap and head lap 100mm, head joints 1m staggered,
- Secure all joints by torching.