

Code RS1.7

Insulated Exposed Technical Roof

Extragum Green-Energy 2-layer system

Premium quality, high performance bituminous warm roof system for exposed technical flat roofs with wooden 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 projects. Suitable for wooden decks.

Build-up	2-layer system
Slope	2%
System	Torch applied Cap sheet / Thermo-adhesive base layer
Insulation	Glued
Type	New roofs
Deck	Wooden deck
Certification	EPD and LEED compliant
External Fire performance	B Roof T2 (see note 2)



	Build-up	mm
6	Waterproofing, Single layer Cap sheet modified bitumen membrane with high recycled material content, EXTRAGUM GREEN-ENERGY MINERAL , fully torch applied	5,2
5	Waterproofing, Base sheet SBS modified bitumen membrane, TERMOVAL 4PL adhesive	4,0
4	Insulation, EPS expanded polystyrene 0,033W/mK , 150kPA, glued with VALCOAT ISO bonding agent	100
3	Vapour barrier ADESIVAL VAP SPP modified bitumen membrane sd=1500m, adhesive	3,0
2	Bituminous primer, VERVAL PRIMER 0,3 L/m ²	0,1
1	Structural – Wooden deck	
Note	(1) EPS insulation boards can be substituted by PIR 0,022 W/mK 150kPa paper surfaced insulation boards (2) In case of high external fire performance Extragum Green-Energy can be substituted with Professional 20 Mineral Fire Defence	

Method of Application

- Clean the wood surface thoroughly free from loose materials and dust,
- Prepare horizontal surface and vertical upstands with Verval Primer 0,3L/m² and allow to dry,
- Install Adesival Vap adhesive vapour barrier on horizontal surface with minimum 10 cm side lap/head lap overlapping and along all upstands with a minimum height 5cm higher than insulation,
- Install insulation board with staggered joints, bonded directly on vapour barrier with Valcoat ISO 0,8 kg/m²
- Install Termoval adhesive base layer over 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 over Termoval. Side lap 100mm / head lap 100mm, head joints 1m staggered,
- Secure all joints by torching.

