

Code RS1.6

Insulated Exposed Technical Roof

Extragum Green-Energy mechanically attached system

Premium quality, high performance bituminous warm roof mechanically attached 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 projects. Suitable for steel decks.

Build-up	1-layer system
Slope	2%
System	Mechanically attached
Insulation	Mechanically fixed
Type	New roofs
Deck	Steel deck
Certification	EPD and LEED compliant
External Fire performance	BRoof T2 (see note 2)



Extragum Green-Energy mechanically attached system

	Build-up	mm
3	Waterproofing, Single layer Cap sheet modified bitumen membrane with high recycled material content, EXTRAGUM GREEN-ENERGY MINERAL FM , mechanically attached	5,2
2	Insulation, Mineral Wool panels 0,035-0,040 W/mK , 70kPA mechanically attached	100
1	Structural - Steel deck slope min 2%	0,1

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 FM**

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 then insulation,
- Install Mineral Wool (MW) insulation panels with staggerd joints, mechanically fixed with D70mm steel plates and screw.
- Install Extragum Green-Energy Mineral FM (or Professional Fire Defence FM) cap sheet mechanically attached with D82x40mm steel plates and screw . Side lap 120mm / head lap 150mm, head joints 1m staggered
- Install Extragum 3mm base layer 250 mm wide strip band along all perimeter, skylights and other structure upstands, fully torched on vertical substrates and horizontally over Extragum Green-Energy Mineral FM (or Professional Fire Defence FM) cap sheet. Complete vertical upstands with Extragum Green-Energy Mineral FM (or Professional Fire Defence FM) fully torch applied.
- Secure all joints by torching.

