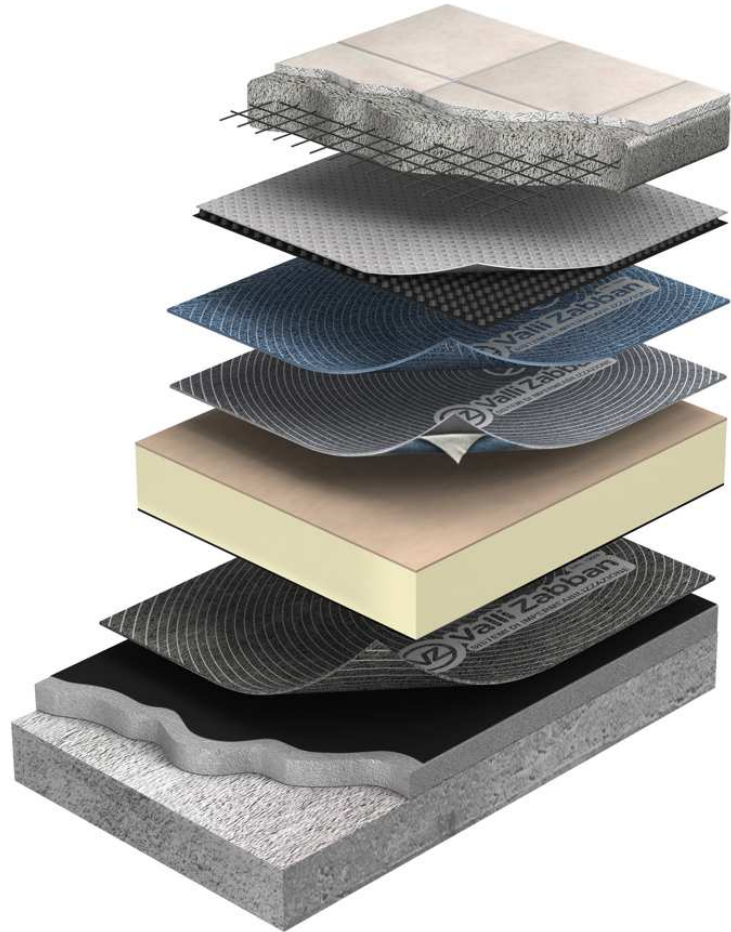


Code RS3.1

Insulated Roof Terrace
Elastoval 2-layer system

Premium quality, high performance bituminous warm roof system for walkable terrace.



This system is for new build projects or refurbishment projects (where conditions allow, existing systems can be overlaid). Suitable for concrete decks.

Build-up	2-layer system
Slope	1%
System	Torch applied top layer / Thermo-adhesive base layer
Type	New roofs or refurbishment
Insulation	Thermo-adhesive bonded
Deck	Concrete deck
Protection	Ceramic tiles



	Build-up	mm
9	Pavement, Ceramic tiles glued over concrete reinforced screed	50
8	Drainage and protection, VZ DRAIN 10 - F loose laid applied	10
7	Waterproofing, top layer sheet SBS modified bitumen membrane, ELASTOVAL 4PL SPECIAL , fully torch applied	4,0
6	Waterproofing, Base sheet SBS modified bitumen membrane, TERMOVAL 4PL , adhesive	4,0
5	Insulation, PIR insulation panel paper faced 0,022 W/mK , 150kPa	100
4	Vapour barrier, RILEVAL 4ALU modified bitumen membrane sd=1500m with thermo-adhesive top surface for insulation panels direct bonding	4,0
3	Bituminous primer, VERVAL PRIMER 0,3 L/m ²	0,1
2	Concrete screed, slope 1%	
1	Structural - Concrete deck	

Note PIR insulation panels can be substituted by naked EPS 0,033 W/mK 150kPa insulation boards

Method of Application

- Clean the concrete surface thoroughly free from loose materials, laitance, dust, oils and curing agents
- Prepare horizontal surface and vertical upstands with Verval Primer or EcoPrimer 0,3L/m² and allow to dry,
- Install Rileval 4ALU vapour barrier fully torched on horizontal surface with minimum 10 cm side lap/head lap overlapping and along all upstands with a minimum height 5cm higher then insulation,
- Install insulation boards with staggered joints, bonded directly over thermo-adhesive vapour barrier top surface gently activated by torching
- Install Ternoval adhesive base layer over insulation boards. Side lap and head lap 100mm overlappings, head joints 1m staggered
- Install Elastoval 4PL Special top layer fully torched over Ternoval base sheet. Side lap 100mm / head lap 100mm, head joints 1m staggered,
- Secure all joints by torching.
- Install VZ Drain 10 - F loose laid over top layer membrane, 50mm side lap / head lap overlappings,
- Install concrete reinforced screed and glued ceramic tiles

