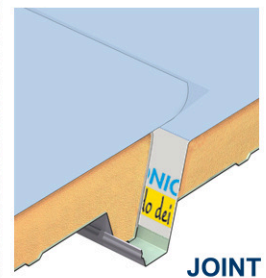
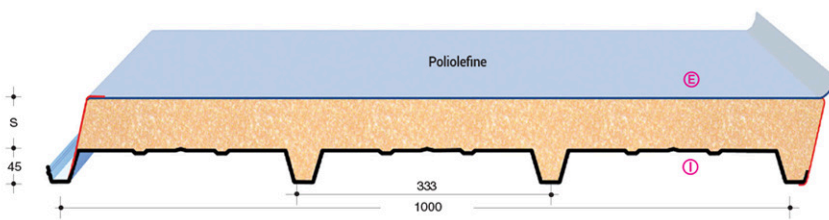


TIPO
RP/ST
MANTO
SINGLE SHEET

S
Thickness mm.
30-40-50-60
80-100-120



POLIOLEFINE

The TERMOCOPERTURA® type RP/ST MANTO SINGLE SHEET having externally a polyolefin (TPO) membrane, are used for flat or low slope roof, offering numerous advantages compared to the bitumen membranes or other traditional techniques.



Technical characteristics:

Metallic support: the internal metallic support are obtained from cold profiling of carbon steel coils coated with hot dip zinc type S250GD according UNI EN 10346 with mechanical characteristics as foreseen in the D.M. of 14.01.2008 and tolerances as per UNI EN 10143 norm. The finishing of the steel support (side "I") consist of an organic coat obtained from a cycle of hot standard polyester prepainting according to EN 10169.

Thermal Insulation: expanded polyurethane CFC free, according to UNI EN 13165 norm.

Main characteristics:

- Density: 40 kg/m³
- Thermal conductivity coefficient: $\lambda = 0,022 \text{ W/m}^2\text{K}$
- Compressive strength: 140-150 Kpa
- Impermeability: 98% closed cells (non hygroscopic material)

Poliolfine waterproofing membrane, 1,5 mm thick

Synthetic waterproofing membrane (polyolefin) produced by coextruding a uniform UV resistant elastomerized (TPO/FPA) thermoplastic olefin and polypropylene alloy, coupled to a non woven polyester material on the internal surface.

On the RP/ST Manto single sheet, the membrane is applied in continuous on the side E and stuck with special resins to ensure a perfect adhesion and flatness. The panel joint of the polyolefin membrane is made on site with a hot-air gun without using any adhesive or other materials.

THERMIC INSULATION			STEEL thickness mm	U.M.	Useful loads uniformly distributed in KG/m ² – KN/m ²													
S thickness mm	Kcal m ² ·h·°C	W m ² ·°C			SPAN IN m ℓ													
30	0,602	0,700	0,5	Kg/m ² KN/m ²	1,00	1,50	2,00	2,50	3,00	3,50	4,00	1,00	1,50	2,00	2,50	3,00	3,50	4,00
40	0,461	0,536	0,6	Kg/m ² KN/m ²	407	176	95	56	-	-	-	541	236	129	80	53	36	-
50	0,372	0,433	0,8	Kg/m ² KN/m ²	3,99	1,73	0,93	0,55	-	-	-	5,31	2,31	1,26	0,78	0,52	0,35	-
60	0,313	0,364	1,0	Kg/m ² KN/m ²	494	215	117	71	37	-	-	660	288	158	98	65	45	-
80	0,237	0,276		Kg/m ² KN/m ²	4,85	2,11	1,15	0,70	0,36	-	-	6,47	2,83	1,55	0,96	0,64	0,44	-
100	0,191	0,222		Kg/m ² KN/m ²	672	292	160	98	54	-	-	881	385	212	131	88	62	41
120	0,166	0,193		Kg/m ² KN/m ²	6,59	2,86	1,57	0,96	0,53	-	-	8,64	3,78	2,08	1,28	0,86	0,61	0,40
					851	371	203	125	70	39	-	1101	482	265	165	111	78	53
					8,35	3,64	1,99	1,23	0,69	0,38	-	10,80	4,73	2,60	1,62	1,09	0,76	0,52

LOAD CONDITIONS (RP/ST MANTO SINGLE SHEETS):
The values shown in the tables are referred to a deflection $f \leq 1/200$ of the span ℓ (m). The letter **Ⓢ** shows the required painted side.