



TR45R is a profiled metal sheet, ideal for the roof finishing of industrial, commercial, agricultural, sporting or cultural buildings.

TR45 roof - technical characteristics

Material	Pre-painted steel sheet			
Available thickness (mm)	0.45 0.50 0.60 0.75			
Steel class	minimum S250GD			
Minimum zinc coverage (g/m ²)	275			
Exterior paint coating (μm)*	SP L	SP MAT	PVDF	PUR NOVA
	25	35	25	55
RUV/RC	RUV2/RC2	RUV4/RC4	RUV4/RC4	RUV4/RC5
Total width (mm)	1045			
Useful width (mm)	1000			
Weight (kg/m ²)	4.5 - 7.5			
Minimum length** (mm)	1500			
Maximum length - recommended (mm)	12500			
Corrugation height (mm)	45			
Minimum slope - recommended***	degrees (°)	3/7		
	percentage (%)	5/12		

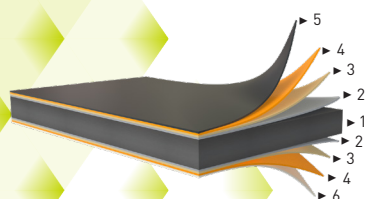
*SP L - Glossy Polyester
 SP MAT - Super Matt Polyester
 PVDF - Polyvinylidene fluoride
 PUR NOVA - Mat Polyurethane

***For lengths below 1500 mm we have an additional cutting charge.

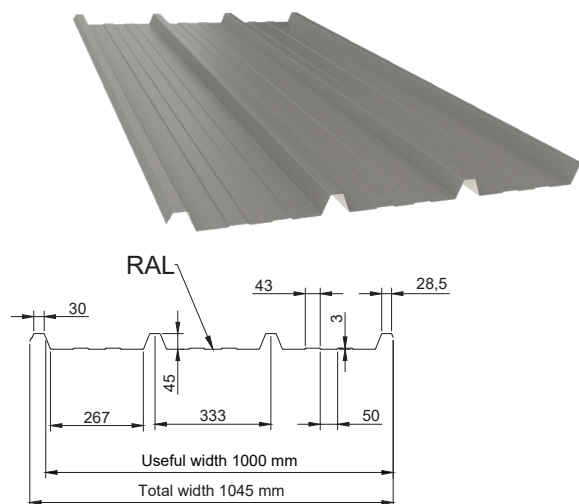
***The minimum recommended slope is 7°, but after the project analysis (if the roof has no longitudinal or diagonal joints), it can be reduced to 3°.

Steel type and structure

S 280 GD steel with 275 g/m² Zinc coating, according to EN 10346 and EN 10143.



- 1 ► Steel
- 2 ► Zinc coating
- 3 ► Passivation coating
- 4 ► Primary protection coating
- 5 ► Exterior paint coating
- 6 ► Interior paint coating



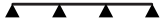
The values in sections are expressed in mm.

- Optimized
- Lightweight
- Adaptable
- Easy fitting
- Extended lifespan
- Sustainable

Weights

Thickness (mm)	Mass (kg/m)	Useful length (m)	Mass (kg/m ²)	M _d -pos (Nm/m)	M _d -neg (Nm/m)	I _{eff} -pos (mm ⁴ /mm)	I _{eff} -neg (mm ⁴ /mm)
0.5	5.00	1.00	5.00	910	1176	119	112
0.6	6.01	1.00	6.01	1229	1434	158	142
0.75	7.51	1.00	7.51	1705	1826	217	188

Load

Load (kg/m ²)	Thickness (mm)	Simple span 	Double span 	Multiple span 
100	0.50	2.30	2.40	2.70
	0.60	2.50	2.90	3.10
	0.75	2.70	3.50	3.30
150	0.50	2.00	1.80	2.10
	0.60	2.20	2.20	2.50
	0.75	2.40	2.70	2.90
200	0.50	1.90	1.50	1.70
	0.60	2.00	1.80	2.10
	0.75	2.10	2.30	2.50
250	0.50	1.70	1.30	1.40
	0.60	1.80	1.60	1.80
	0.75	2.00	2.00	2.20
300	0.50	1.60	1.10	1.20
	0.60	1.70	1.40	1.50
	0.75	1.90	1.70	1.90