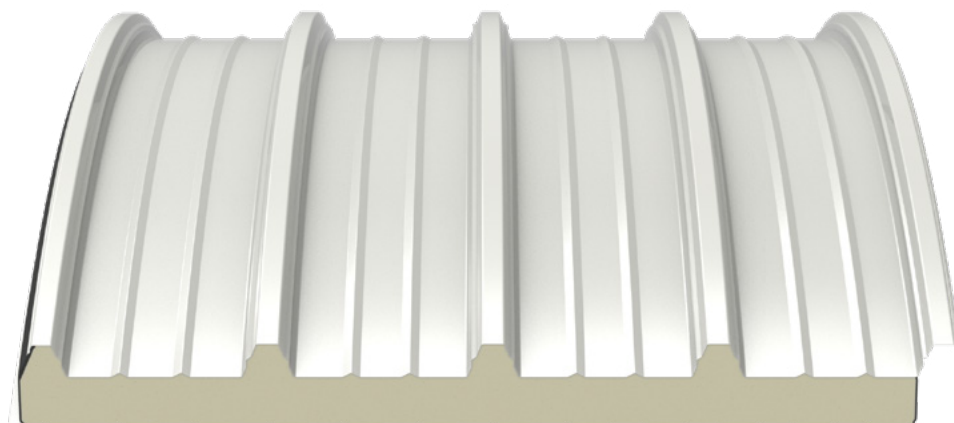


Isoray 3.3 - Isoray 6

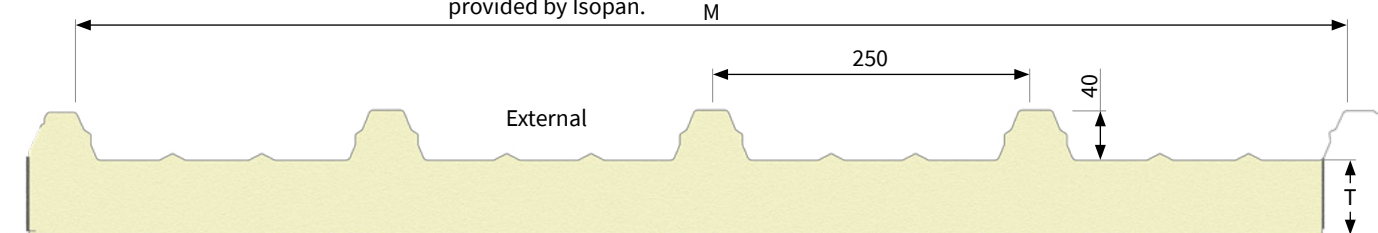
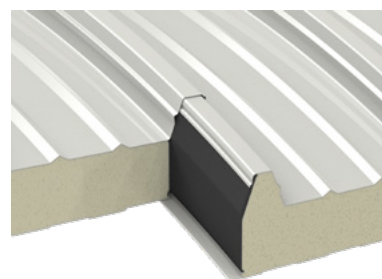


Product Description

Isoray is a double-skin sandwich panel for pre-curved roofs. It is an alternative to the classic fibre cement sheets used in industrial roofing.

Available in two versions:
Isoray 3.3 - curvature radius of 3.3m
Isoray 6 - curvature radius of 6m

To improve the aesthetics of the internal coupling, it is recommended to apply the PVC casing provided by Isopan.



Useful width - “M”	1000 mm					
Insulation	Polyurethane foam (PU) Nominal density 40 kg/m³					
Facing materials	External metal sheet: Pre-painted sheet Internal metal sheet: Pre-painted sheet					
Fire Performance	<table><tr><th colspan="2">Broof</th></tr><tr><td colspan="2">Broof T3</td></tr></table>		Broof		Broof T3	
Broof						
Broof T3						
Dimensional tolerances	Curvature length	L ≤ 3000: ± 5mm / L > 3000: ± 10 mm				
	Width	± 2				
	Thickness	± 2				
	Chord	± 3 %				
	Curvature radius	± 2 %				
	Coupling (Dev.<3000mm)	± 4 mm				
	Coupling (Dev. ≥ 3000mm)	± 5 mm				

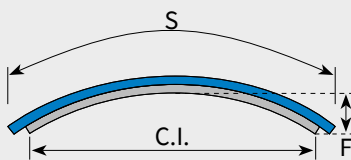
Development - Chord - Deflection

Measurements refer to a 40 mm thick panel

C.I.: Inner chord

S: Development

F: Deflection

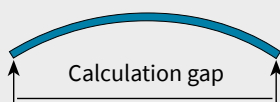


ISORAY 3.3			ISORAY 6		
C.I. [cm]	S [cm]	F [cm]	C.I. [cm]	S [cm]	F [cm]
107	120	4	150	162	5
137	151	7	200	214	8
158	173	10	250	265	13
177	194	12	300	317	19
196	214	15	350	370	26
216	235	18	400	423	34
236	257	22	450	477	44
255	278	26	500	533	55
260	284	27	-	-	-
275	300	30	-	-	-

Admissible loads

Note: Values shown in red indicate the admissible loads of the panel solidly anchored to the support. Deflection limit 1/200 ℓ .

The data in the tables are to be considered indicative. It is left to the designer to verify these according to specific applications. The values shown in the capacity tables do not take into account the thermal load.



T [mm]	Steel sheets 0,5mm														
	ISORAY 3.3					ISORAY 6									
	1	1,5	2	2,5	3	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
40	410	370	290	250	210	390	256	190	190	170	150	110	85	75	62
50	490	425	340	280	240	490	323	240	220	200	170	130	100	83	67
60	590	490	380	300	260	590	390	280	240	220	190	150	120	90	73
80	-	-	-	-	-	800	520	348	283	264	234	198	173	117	91
100	-	-	-	-	-	913	588	383	305	282	255	224	200	-	-

T [mm]	Outer aluminium sheet 0.6 mm + inner steel sheet 0.5 mm														
	ISORAY 3.3					ISORAY 6									
	1	1,5	2	2,5	3	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
40	400	250	210	180	150	390	256	190	182	150	130	80	70	60	50
50	480	315	260	210	170	490	323	240	210	170	150	100	85	65	52
60	580	380	290	230	180	590	390	270	230	180	160	110	105	70	55
80	-	-	-	-	-	787	511	342	271	218	197	145	127	82	65
100	-	-	-	-	-	889	573	372	292	233	215	164	140	-	-

Technical specifications**Available thickness 'T'**

The weight considers panels with steel sheets, nominal thickness indicated in the table.

T [mm]	Thermal Insulation - U		[Kg/m ²]
	[W/m ² K]	[kcal/m ² h °C]	
40	0,45	0,38	10,3
50	0,38	0,32	10,7
60	0,32	0,27	11,2
80	0,25	0,22	11,9
100	0,20	0,18	12,7

Instructions for use and dimensional tolerances

consult the Technical Manual, General Sales Conditions and Annexes available on the website.