

PRODUCED IN:  
ITALY



## OYSTER® FIRE

### Technical characteristics

- Max outside sheet length: 6 m
- Variable bent radius: 3.5 to 20 m
- Useful pitch: 1000 mm.

### Metal cover

- Outside** • Prepainted galvanised steel 6/10 mm.
- Inside** • Prepainted galvanised steel 4/10 mm.

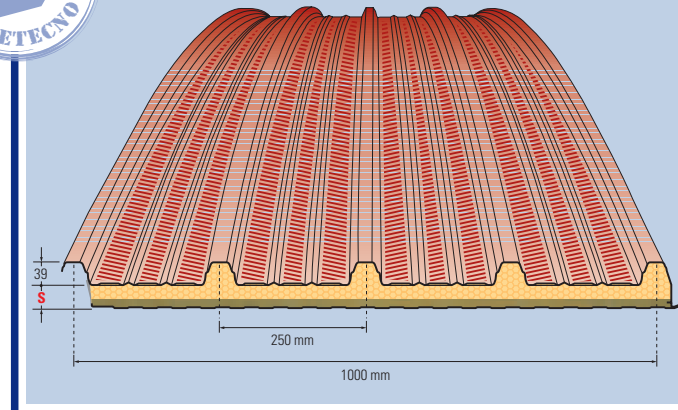
### Maximum load

The tables give the max. permissible overloads in N/m<sup>2</sup> corresponding to the clear spans between the supports and the radii of curvature calculated on the basis of experimental data, in order to ensure simultaneously a camber smaller than or equal to a two hundredth of the span and a safety factor equal to or greater than three with respect to breakage. The overloads given concern the panel with both steel claddings (ext. 0.6 mm - int. 0.4 mm).

The values regarding the single span assume the existence of constraints at the two ends, such as to configure the static situation of the arc with thrust eliminated (hinges). The values concerning the multiple span assume the existence of hinges at the external supports and single supports to the internal ones.

### Thermal transmittance and unit panel weight

<b>S</b> mm	<b>60</b>
K = Kcal/m <sup>2</sup> h °C	0,30
K = Watt/m <sup>2</sup> °C	0,35
Panel weight kg/m <sup>2</sup>	13,31



### Maximum loads table (Single span)

BENT RADIUS IN mm	Two hinged arc (single span) External sheet: steel 0.60 mm. Internal sheet: steel 0.40 mm.				
	S60 (span in mm.) - 40 PUR + 20 MW				
	1000	2000	3000	4000	5000
3500	764	390	363	351	280
6000	655	257	222	215	172
9000	568	207	156	147	118
12000	538	191	124	113	90
16000	521	172	103	88	69
20000	513	161	92	74	56

### Maximum loads table (Multiple span)

BENT RADIUS IN mm	Two hinged arc with two inside supports (triple span) External sheet: steel 0.60 mm. Internal sheet: steel 0.40 mm.	
	S60 (span in mm.) - 40 PUR + 20 MW	
	1000	2000
3500	708	362
6000	607	238
9000	527	192
12000	499	177
16000	483	159
20000	476	149

## OYSTER® FIRE SOUND

### Technical characteristics

- Max outside sheet length: 6 m
- Variable bent radius: 3.5 to 20 m
- Useful pitch: 1000 mm.

### Rivestimenti metallici

- Outside** • Prepainted galvanised steel 6/10 mm.
  - Natural or prepainted aluminium 6/10 mm.
- Inside** • Prepainted galvanised steel and microhole 5/10 mm.

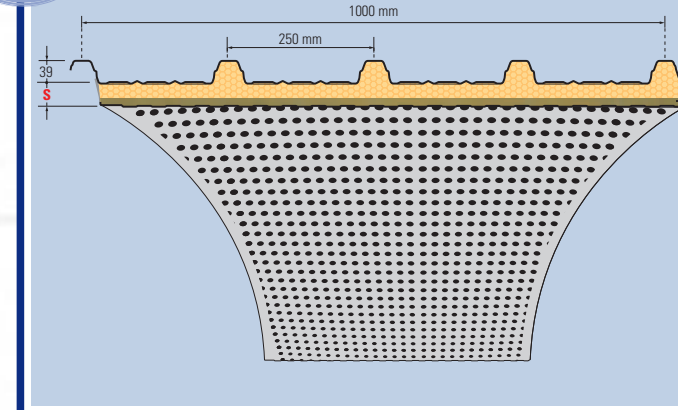
### Maximum load

The tables give the max. permissible overloads in N/m<sup>2</sup> corresponding to the clear spans between the supports and the radii of curvature calculated on the basis of experimental data, in order to ensure simultaneously a camber smaller than or equal to a two hundredth of the span and a safety factor equal to or greater than three with respect to breakage. The overloads given concern the panel with both steel claddings (ext. 0.6 mm - int. 0.4 mm).

The values regarding the single span assume the existence of constraints at the two ends, such as to configure the static situation of the arc with thrust eliminated (hinges). The values concerning the multiple span assume the existence of hinges at the external supports and single supports to the internal ones.

### Thermal transmittance and unit panel weight

<b>S</b> mm	<b>60</b>
K = Kcal/m <sup>2</sup> h °C	0,30
K = Watt/m <sup>2</sup> °C	0,35
Panel weight kg/m <sup>2</sup>	12,90



### Maximum loads table (Single span)

BENT RADIUS IN mm	Two hinged arc (single span) External sheet: steel 0.60 mm. Internal sheet: steel 0.50 mm.				
	S60 (span in mm.) - 40 PUR + 20 MW				
	1000	2000	3000	4000	5000
3500	649	344	322	312	231
6000	606	225	197	190	143
9000	572	179	138	130	97
12000	539	164	109	100	74
16000	520	147	90	78	57
20000	511	137	80	65	46

### Maximum loads table (Multiple span)

BENT RADIUS IN mm	Two hinged arc with two inside supports (triple span) External sheet: steel 0.60 mm. Internal sheet: steel 0.50 mm.	
	S60 (span in mm.) - 40 PUR + 20 MW	
	1000	2000
3500	602	319
6000	562	209
9000	530	166
12000	500	152
16000	482	134
20000	474	124