



Chapa Teja

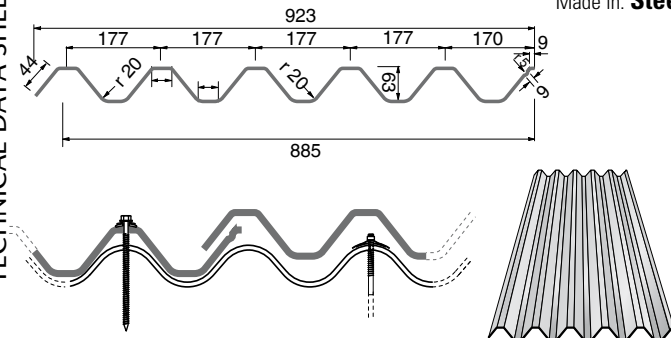
Cubiertas y Fachadas



Eteral profile

TECHNICAL DATA SHEET

Made in: **Steel**



Permitted uniform load [kg/m²] ON 4 SUPPORTS*

i [m]	1.00		1.25		1.50		1.75		2.00	
	σ	f	σ	f	σ	f	σ	f	σ	f
0,5	864	2631	552	1347	384	780	281	491	216	329
0,6	1037	3159	664	1617	461	936	339	589	259	395
0,7	1211	3685	774	1887	538	1091	395	687	302	460
0,8	1384	4212	885	2156	614	1247	451	785	345	526

* (it is calculated in the dual hypothesis of σ perm. = 1400 kg/cm² and f perm. = $i/200$)

Weight of the Eteral sheets (kg/m²)

Material thickness	aluminium	steel
0,4 mm	-	4,38
0,5 mm	-	5,47
0,6 mm	2,23	6,56
0,7 mm	2,60	7,66
0,8 mm	2,98	8,75
1,0 mm	3,72	10,94

The contents of this calculation table are to be considered approximate and purely indicative. The structural calculation is the task of the designer and/or user in each single case that also has to determine the application design specifications for the roofing in question

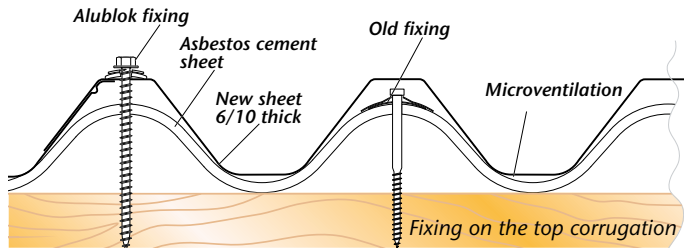
Eteral profile

- **fixing to the original substructure**
 - **adequate microventilation**
 - **big size sheets**
- **absolute treadability during assembly**
 - **economical and easy to lay**
 - **a reduction in intervention costs**
- **improved safety during installation**

Patented System

Features

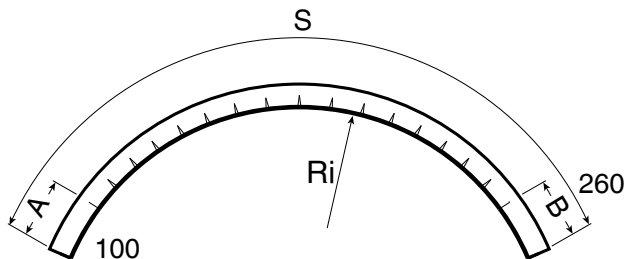
Eteral is a large metal sheet made with a particular profile that adapts to 177/51 pitch asbestos cement sheets.



Eteral profile

Uniform curvature by notching

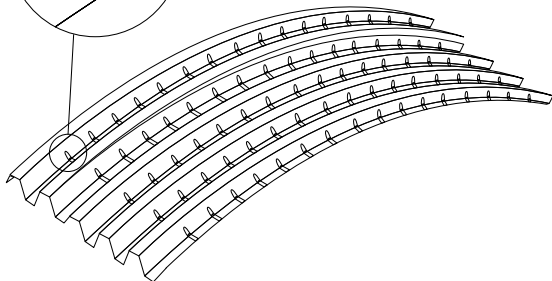
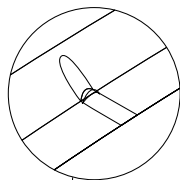
SHEET TOOLING



A = min 260 mm
 B = min 100 mm
 or
 A = min 100 mm
 B = min 260 mm

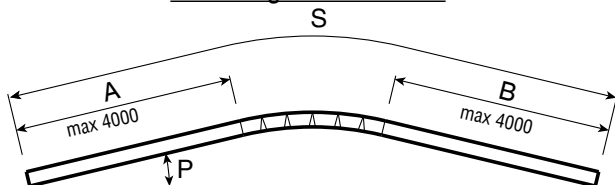
Ri	S max sheet length	
	aluminium	other materials
3 m	max 4 m	max 4 m
from 3 to 4 m	max 5 m	max 5 m
from 4 to 6 m	max 6 m	max 6 m
from 6 to 7 m	max 8 m	max 8 m*

* non standard toolings



Eteral profile

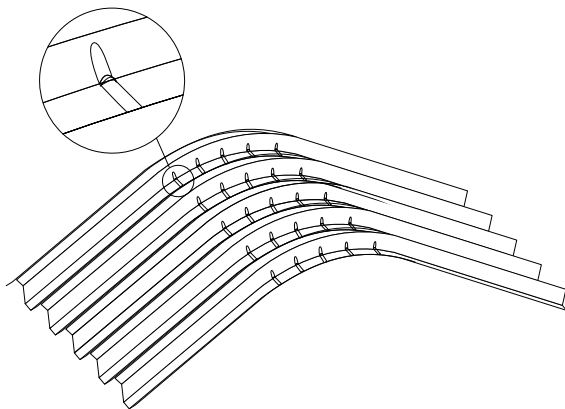
Notching in the middle



Sheet curved only in the centre to form the ridge and the joining of two pitches (achieved by means of a set of impressions in the middle of the sheet). The length of the straight segments A and B varies from a minimum of 50 mm to a maximum of 4000 mm.

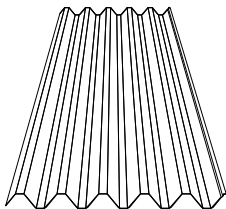
A = min 100
 B = min 260
 or
 A = min 260
 B = min 100

P	S max sheet length	
	aluminium	other materials
from 6 to 12%	max 8 m	max 6 m
from 12 to 15%	max 8 m	max 6 m
from 15 to 20%	max 6 m	max 6 m
from 20 to 25%	max 4 m	max 4 m

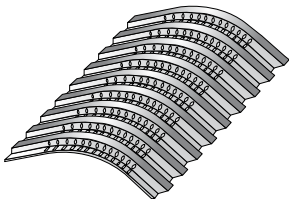


Eteral profile

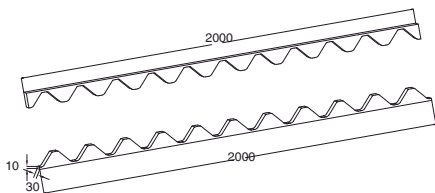
ACCESSORIES



Translucent fibreglass sheet



Curved vertex ridge
length 1000 mm



Over corrugation profile

Under corrugation profile

Eteral profile



1st phase
Applying the Ecofix fixative to prevent dispersion of the asbestos cement fibres.



2nd phase
Laying the eteral sheet over the old roofing. Laying is done by walking over the new sheets which considerably increases site safety.



3rd phase
Fixing the Eteral sheet on the old roofing with Alublok fixings without removing the old ones.

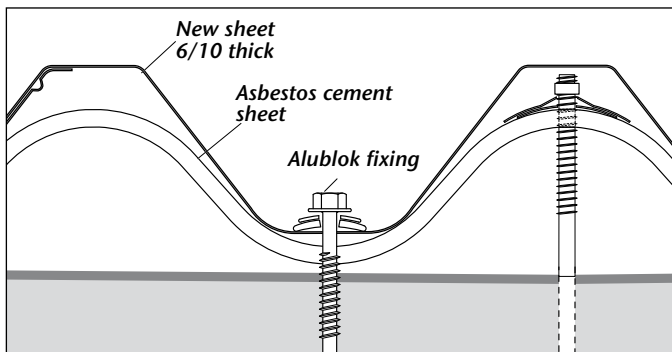


4th phase
Joining the pitches with the curved vertex ridge.

Eteral profile

INSTALLATION INSTRUCTIONS

Fixing on the low corrugation
for the types with "Y beam" front section



Fixing on the low corrugation
for the types with "Y beam" length section

