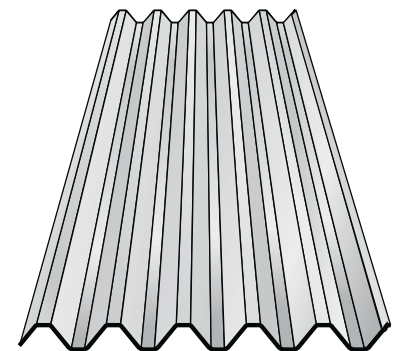
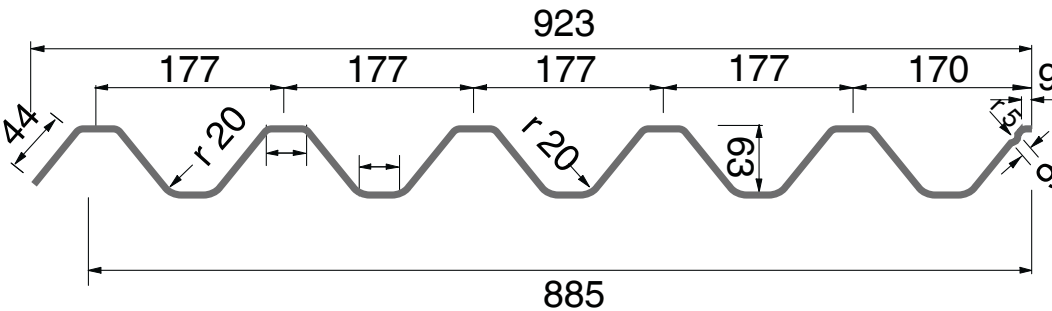




# Eteral profile

TECHNICAL DATA SHEET

Made in: **Steel**



## WEIGHT OF THE ETERAL SHEETS [kg/m<sup>2</sup>]

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

## PERMITTED UNIFORM LOAD [kg/m<sup>2</sup>] ON 4 SUPPORTS\*

i [m]	1,00		1,25		1,50		1,75		2,00	
	$\sigma_{perm}$	$f_{perm}$	$\sigma_{perm}$	$f_{perm}$	$\sigma_{perm}$	$f_{perm}$	$\sigma_{perm}$	$f_{perm}$	$\sigma_{perm}$	$f_{perm}$
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  $\sigma_{perm.} = 1400 \text{ kg/cm}^2$  and  $f_{perm.} = i/200$ )

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

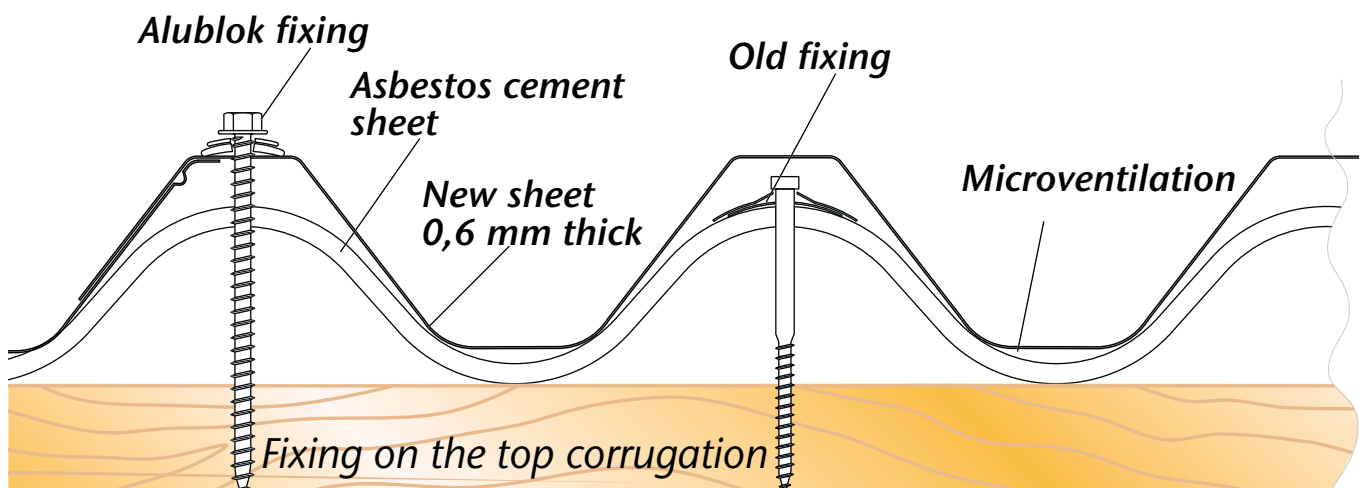
## Eteral profile

- **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

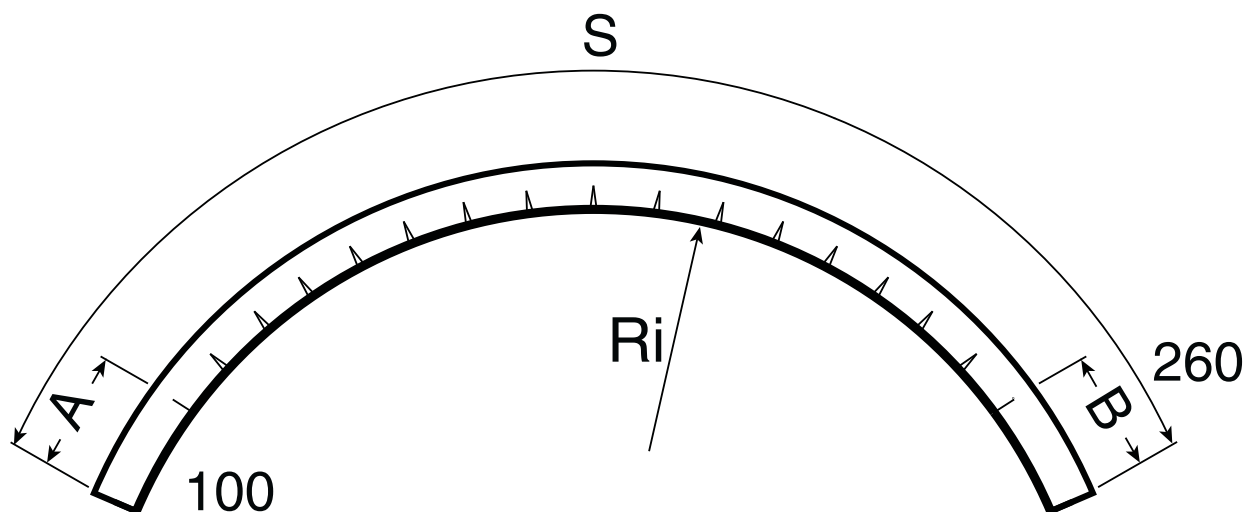
Eteral is a large metal sheet made with a particular profile that adapts to 177/51 pitch asbestos cement sheets.



# Eteral profile

SHEET TOOLING

## UNIFORM CURVATURE BY NOTCHING

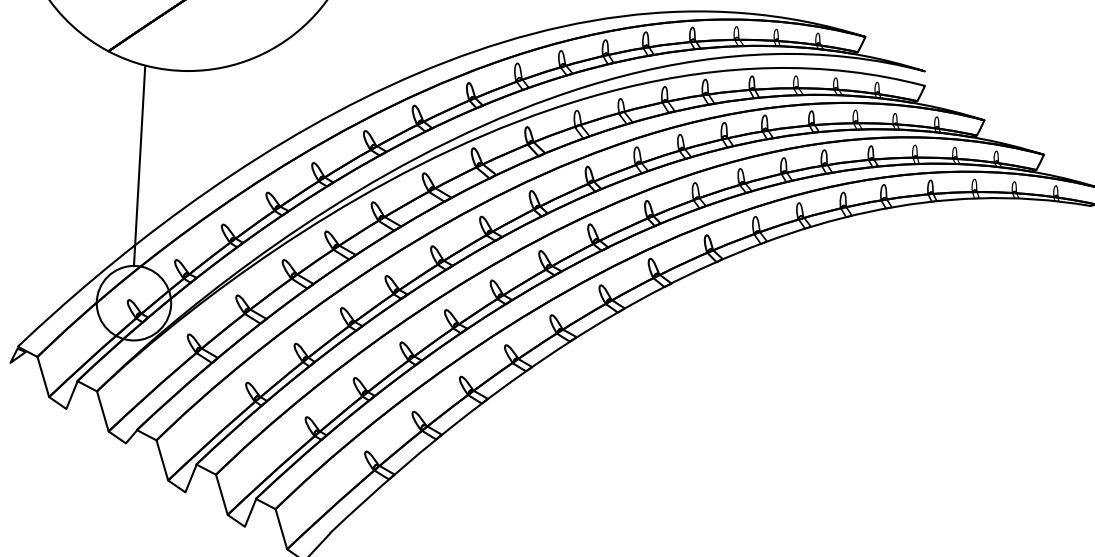
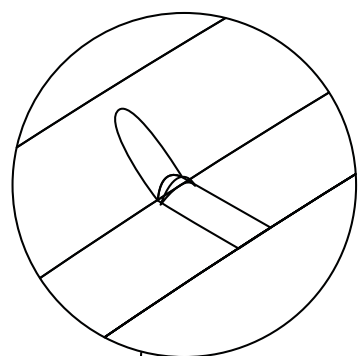


A = min 260 mm  
 B = min 100 mm  
 or  
 A = min 100 mm  
 B = min 260 mm

## UNIFORM CURVATURE BY NOTCHING

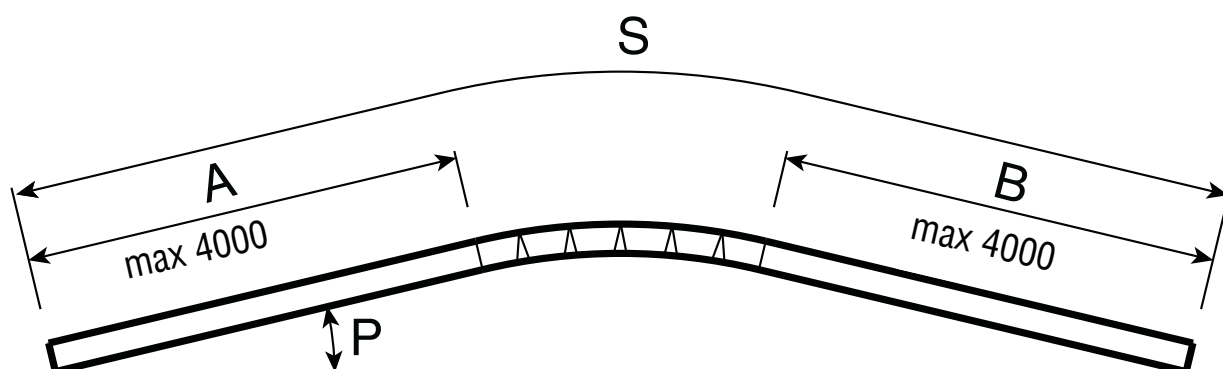
Ri	S max sheet length	
	aluminium	other materials
3 m	max 4 m	max 4 m
from 3 to 4 m	max 5 m	max 5 m
from 4 to 6 m	max 6 m	max 6 m
from 6 to 7 m	max 8 m	max 8 m*

\* non standard toolings



# Eteral profile

## NOTCHING IN THE MIDDLE



SHEET TOOLING

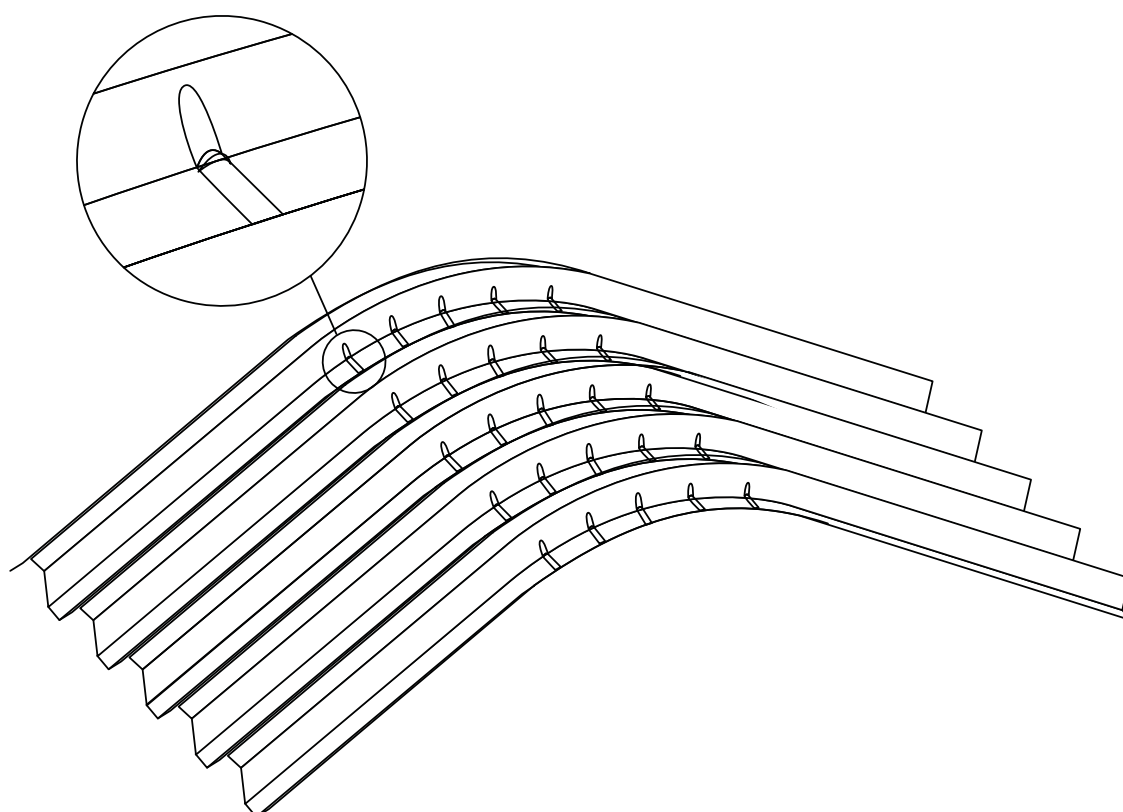
Sheet curved only in the centre to form the ridge and the joining of two pitches (achieved by means of a set of impressions in the middle of the sheet).

The length of the straight segments A and B varies from a minimum of 240 mm to a maximum of 4000 mm.

A = min 240 mm

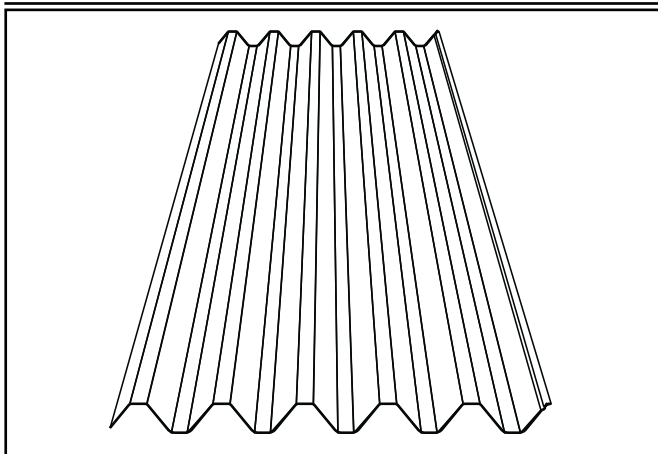
B = min 240 mm

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

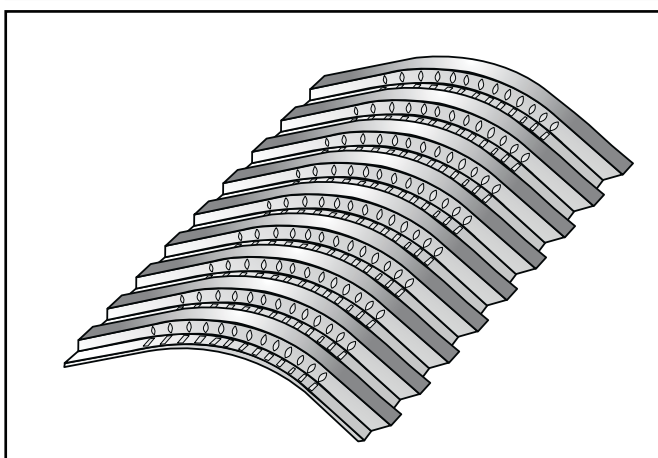


# Eteral profile

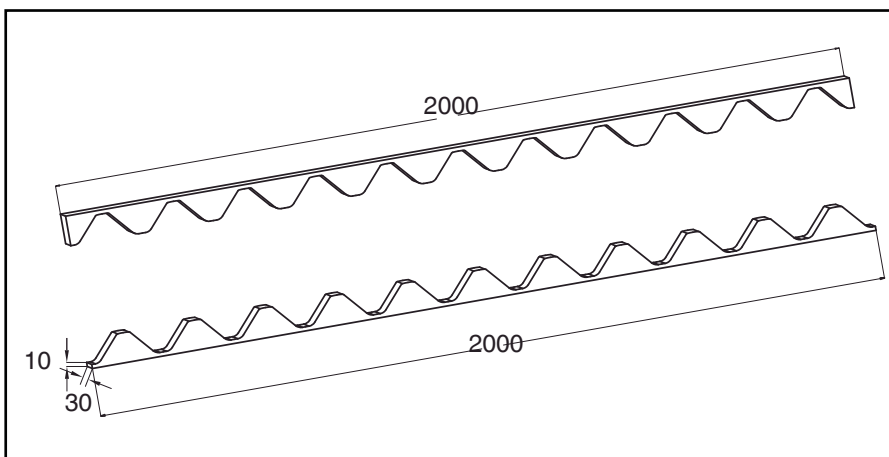
ACCESSORIES



**Translucent fibreglass sheet**



**Curved vertex ridge**  
length 1000 mm



**Over corrugation profile**

**Under corrugation profile**

## Eteral profile



### 1<sup>st</sup> phase

**Applying the Ecofix fixative** to prevent dispersion of the asbestos cement fibres.



### 2<sup>nd</sup> phase

Laying is done by walking over the new sheets which considerably increases site safety.



### 3<sup>rd</sup> phase

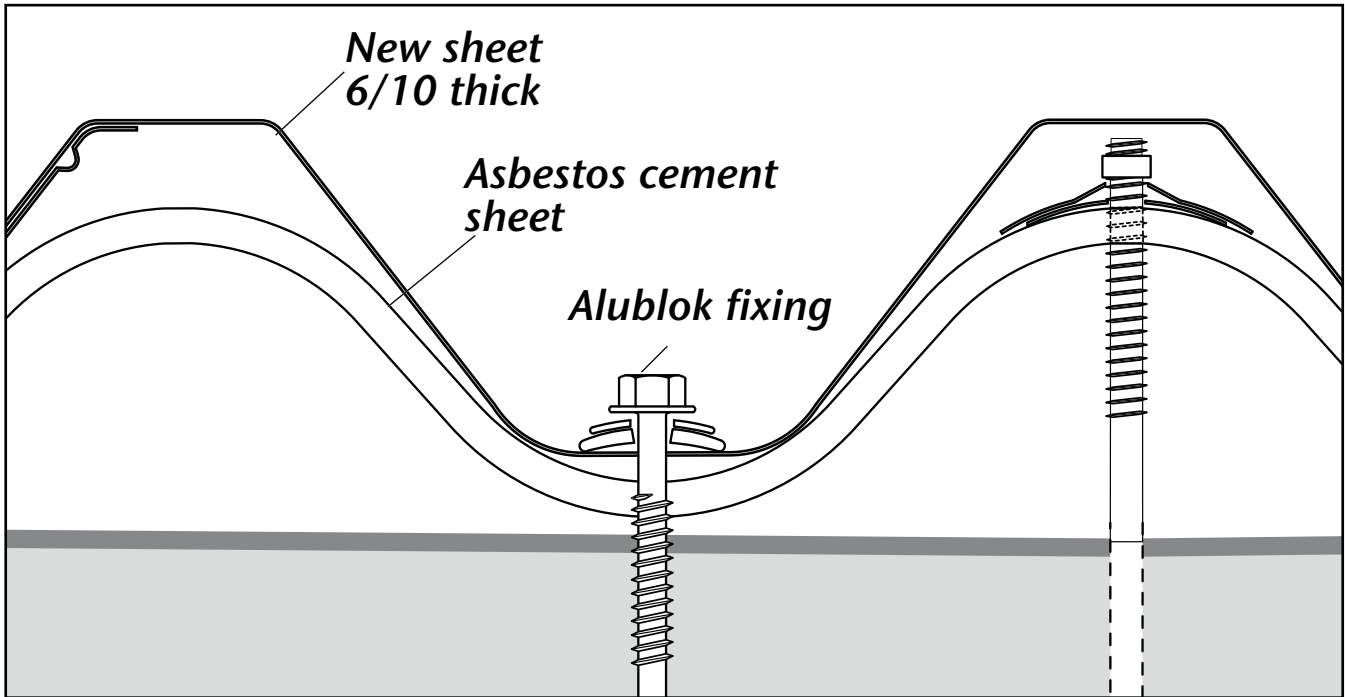
**Fixing the Eteral sheet** on the old roofing with Alublok fixings without removing the old ones.



### 4<sup>th</sup> phase

**Joining the pitches** with the curved vertex ridge.

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



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

