

# CARBOTOP<sup>®</sup>

Expanded polycarbonate corrugated sheets



- Shatter-proof
- Thermal insulation
- Asbestos free
- Lightweight
- Corrosion proof



## CUTTING OUT

- 1 Cut the CARBOTOP sheets to the required length using a fine-toothed circular saw.

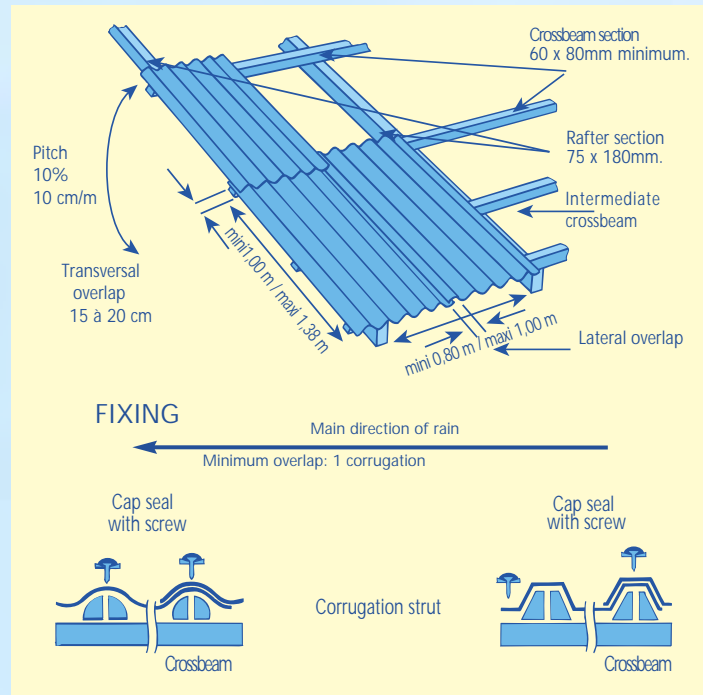
## RECOMMENDATIONS

- 2 Overlap each sheet by one corrugation. The overlaps should not face the prevailing wind. If the roof is longer than the sheet, overlap the lower sheet with the upper sheet to prevent water seepage.
- 3 Fix the horizontal calkings along the crossbeams and the vertical calkings to the rafters. Then, place the sheets on to these calkings. Use the ONDOFIX fastenings to fix the sheets to the crossbeams or the rafters through the calkings. Fix on the crest every two corrugations.
- 4 When laying the wall flashing turn back the horizontal calking and lay it on the top of the sheet against the wall. Fix the calking, sheet and beam through the flashing.

## MAINTENANCE

Clean with clean water and a rag and a mild detergent.  
Avoid solvents

## INSTALLATION



## ACCESSORIES

Square washer	Screw with Cap	Corrugation strut	Calking	Neoprene washers

## TECHNICAL PROPERTIES

	PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES	Specific gravity		g/cm <sup>3</sup>	0,85-0,9
	Water absorption	ASTM D-570	%	1,23
MECHANICAL PROPERTIES	Tensile strength at yield	ASTM D-638	N/mm <sup>2</sup>	31,7
	Modulus of rupture in traction	ASTM D-638	N/mm <sup>2</sup>	30,2
	Elongation at yield	ASTM D-638	%	30,6
	Elongation at break	ASTM D-638	%	17,0
	Modulus of elasticity	ASTM D-638	N/mm <sup>2</sup>	1418
	Flexural strength at yield	ASTM D-790	N/mm <sup>2</sup>	72,4
	Flexural modulus	ASTM D-790	N/mm <sup>2</sup>	1765
	Falling weight resistance*	Paltough Method	Joules	11,14
High-speed impact resistance**	Paltough Method	Joules	18,75	
THERMAL PROPERTIES	HDT (load 18.5Kg/cm <sup>2</sup> )	ASTM D-638	°C	124
	Thermal conductivity	ASTM C-177	W/m°K	0,113

\* A 25mm steel sphere was used to test this resistance. The result is the average penetration energy. Penetration 100% tactile.

\*\* Tested by a hail simulator. 30mm aluminium balls were propelled at high speed in order to simulate the impact of stones and other flying objects. The results given are the average energy limits. As a result of constant technological developments, the information and presentations contained in the present booklet are given only as an indication and without commitment on our part.

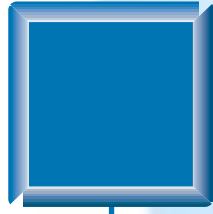
SEDPA is committed to providing free-of-charge the replacement of goods which have broken during the guarantee period under the following conditions:

- the conditions of installation and recommendations stated previously have been followed, as in our technical notes.
- the exclusive use in traditional roofing and cladding applications
- the return of a copy of proof of payment in the 15 days following the purchase.

The manufacturer, not having control over the use of the material by others, cannot therefore guarantee the same results as those described in this document. Each user must carry out his own tests to determine up to what point the material corresponds to his needs. The manufacturer and his distributors cannot be held responsible for damage arising from a defective installation of the material.



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