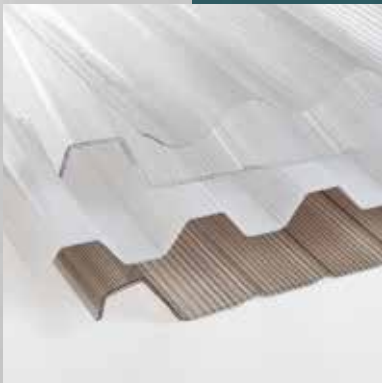
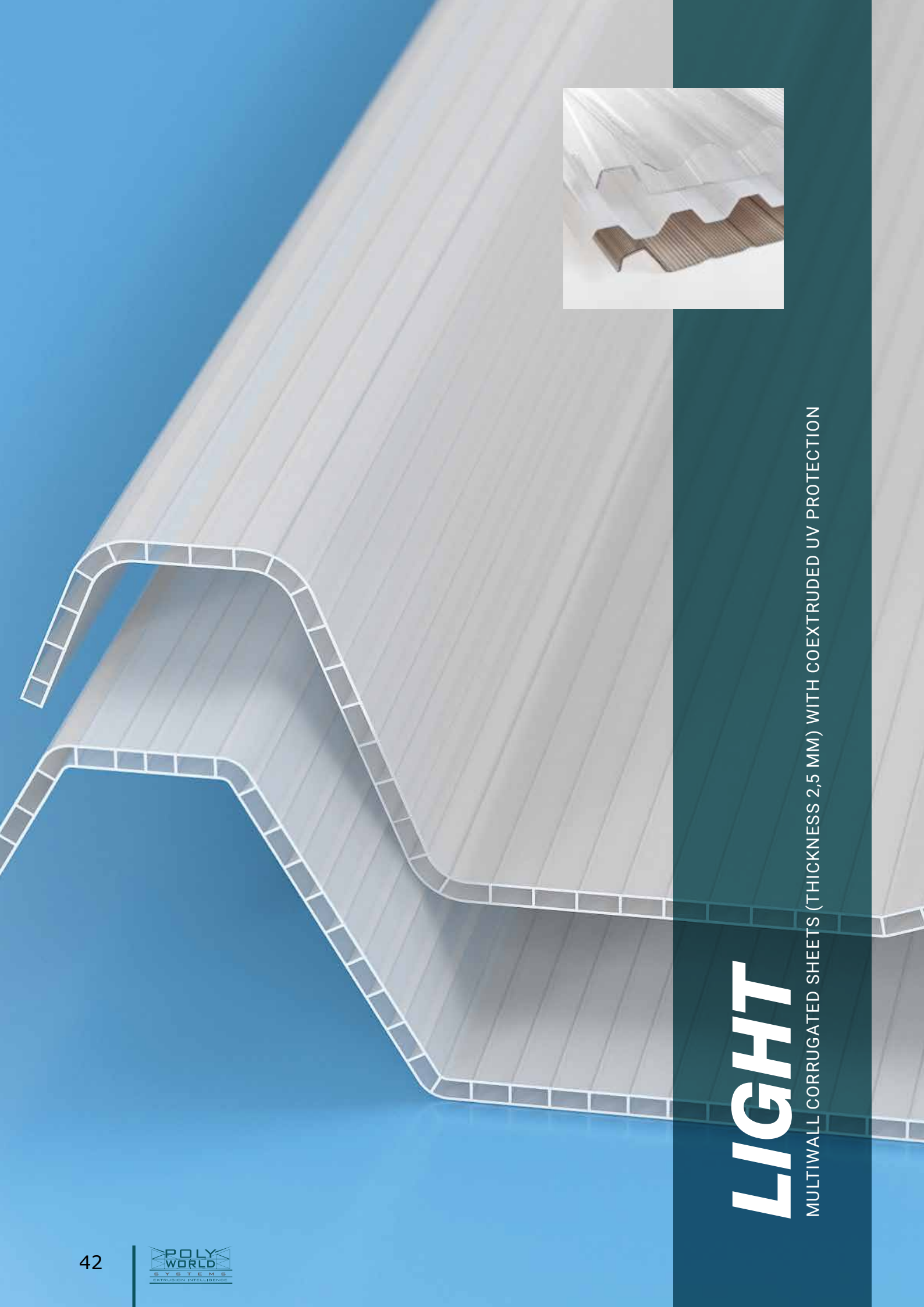


STRONG AND
BRIGHT



LIGHT

MULTIWALL CORRUGATED SHEETS (THICKNESS 2,5 MM) WITH COEXTRUDED UV PROTECTION



LIGHT CHARACTERISTICS

Thickness	2,5 mm	
Structure	2 walls	
Panel length	On request (maximum recommended length 7 m)	
Estimated thermal transmittance	4,7 W/m ² K	
Service temperature	- 40 °C / + 120 °C	
UV protection	Coextruded on the external side	
Thermal expansion	65 x 10 ⁻⁶ K ⁻¹ (=0,065 mm/m °C)	
Light transmission*	Clear (0010)	84% (±5)
	Opal (0035)	76% (±5)
Warranty	Limited 10-yrs warranty against breakage due to hailstones, yellowing and loss of light transmission	

* value according to internal test method

APPLICATION AND STRENGTHS

LIGHT sheets are multiwall corrugated sheets 2,5 mm thickness.

This product is extremely adaptable because it can be used in the middle of the roof, in ridge to gutter applications and/or in side overlap with most metal corrugated sheets or sandwich panels currently available on the market.

The multiwall structure of these sheets offers many advantages in terms of thermal insulation, limited condensation formation (compared to the same solid corrugated polycarbonate shapes), robustness and load resistance.

LIGHT sheets can also be coupled with our CEILING panels used as false ceiling to increase the thermal insulation of the light spots on the industrial roofs.

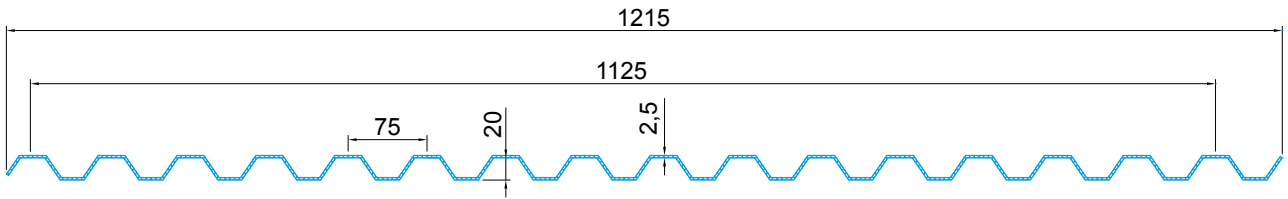
SPECIFICATIONS

Construction of skylights and/or spot lights with polycarbonate multiwall corrugated sheets type LIGHT, thickness 2,5 mm, 2-walls structure, coextruded UV protection on the external side, thermosealed heads; variable width according to different shapes, length on request; estimated thermal transmittance $U_g = 4,7 \text{ W/m}^2 \text{ K}$; ten-years limited warranty. The following accessories are available on request: PE spacer (upper and / or lower) only for some shapes, fixing screw (for metal supports only), aluminium caps.

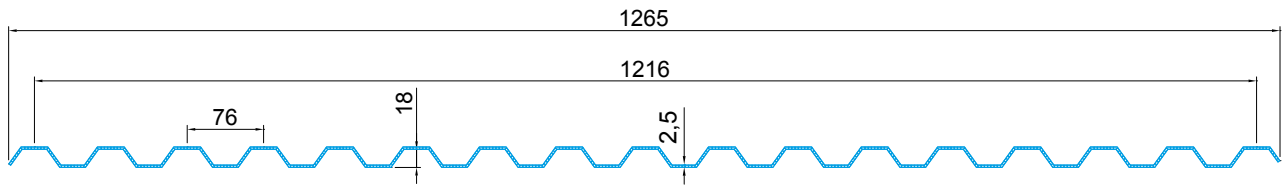
AVAILABLE SHAPES

Poly World Systems can provide a wide range of different profiles, off-the-shelf products, compatible with most common metal corrugated sheets and/or sandwich panels available on the market.

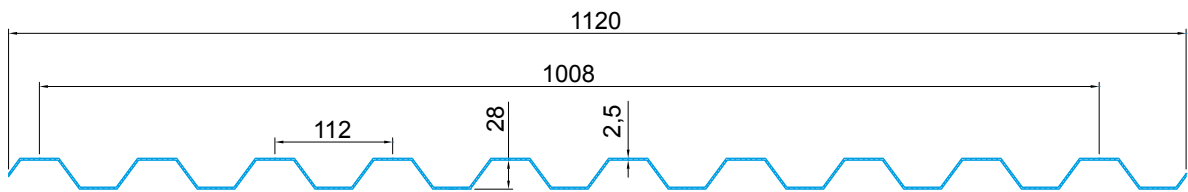
New profiles and custom-made products can be developed on Client's request.



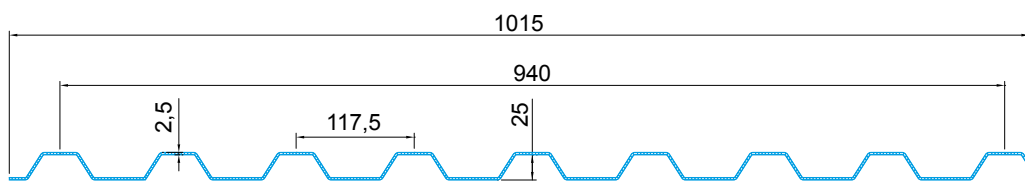
LIGHT T 75/20



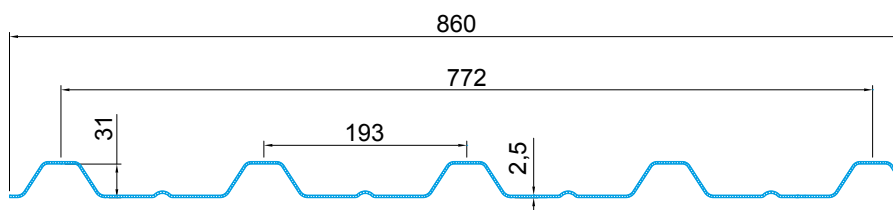
LIGHT T 76/18



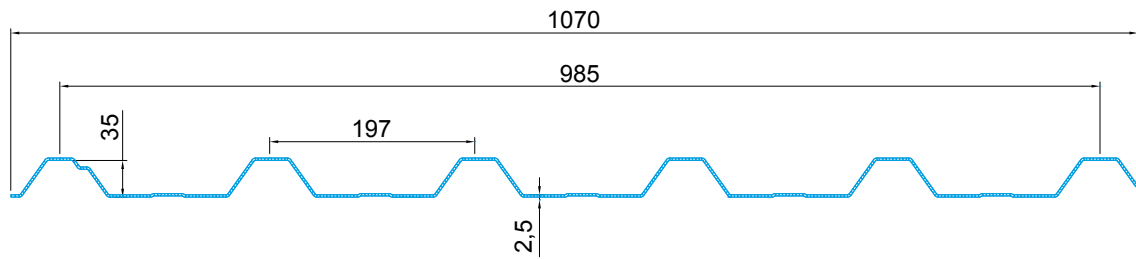
LIGHT T 112/28



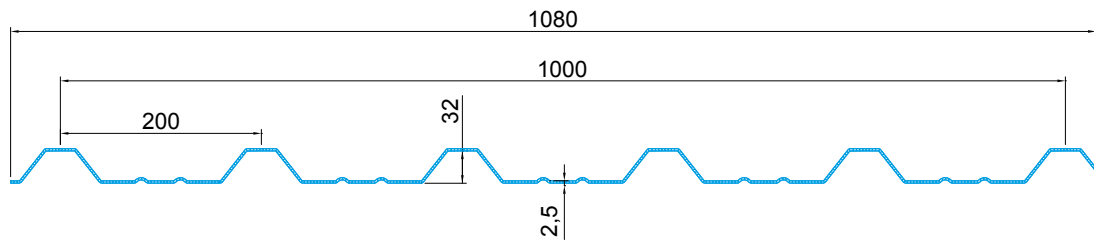
LIGHT T 117/25 compatible with "ISOLPACK SL940"



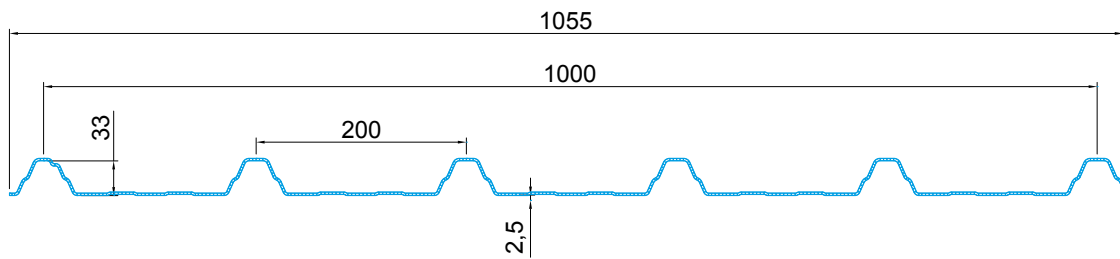
LIGHT T 193/32 compatible with "ONDULIT COVERIB 850"



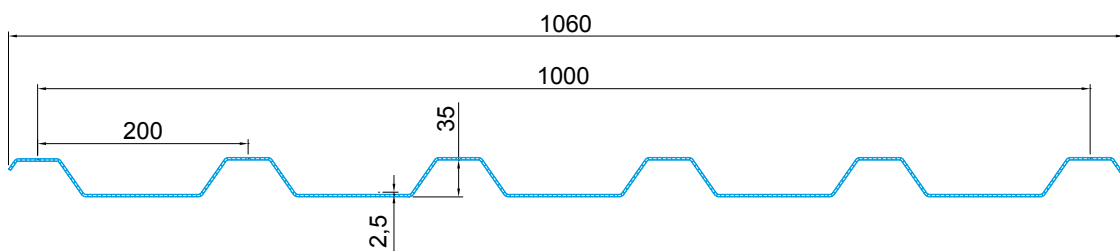
LIGHT T 197/35 compatible with "SILMA 6"



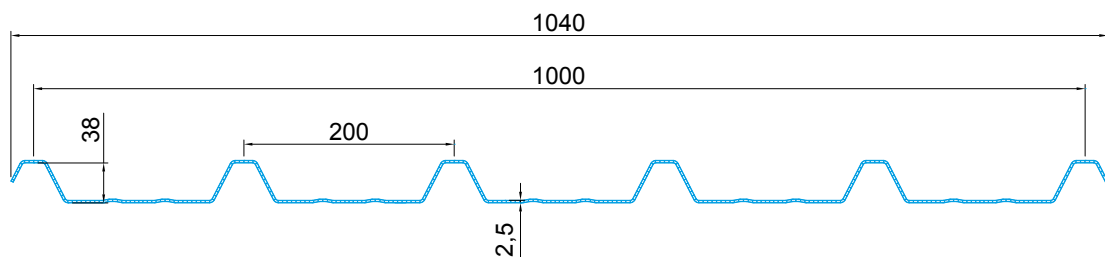
LIGHT T 200/32 compatible with "HIANSA MT32"



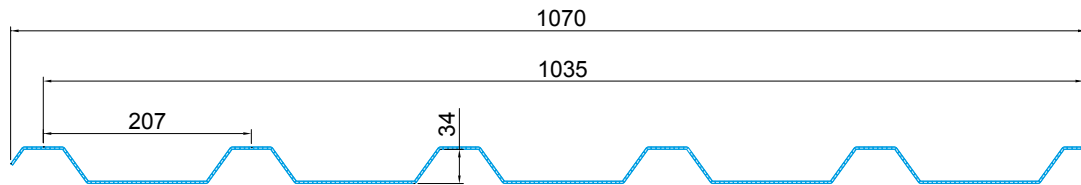
LIGHT T 200/35 compatible with "SANDRINI SAND35"



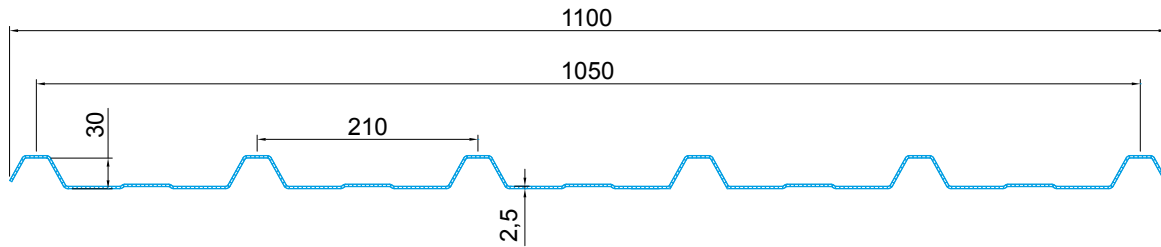
LIGHT T 200/35 compatible with "TR35"



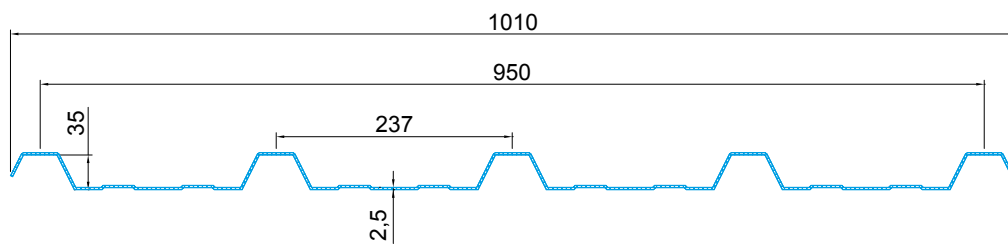
LIGHT T 200/38 compatible with "LATTONEDIL ISOCOPRE"



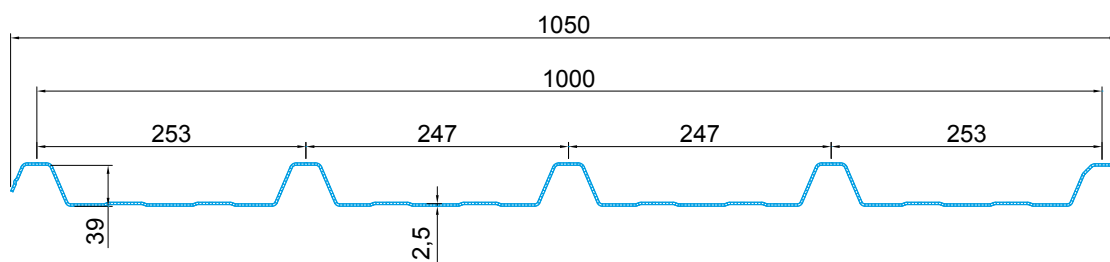
LIGHT T 207/35 compatible with "KLOCKNER 35/207"



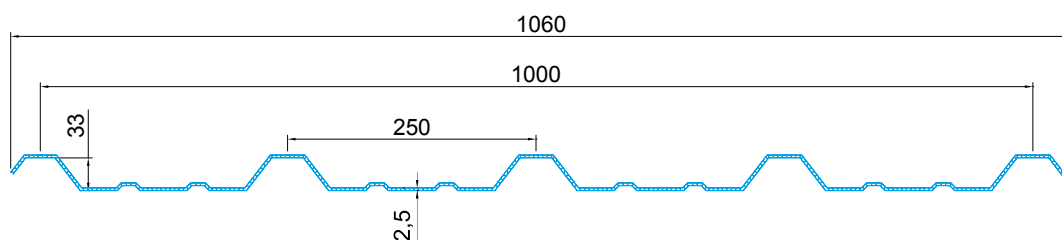
LIGHT T 210/30 compatible with "AISLUX 210/30"



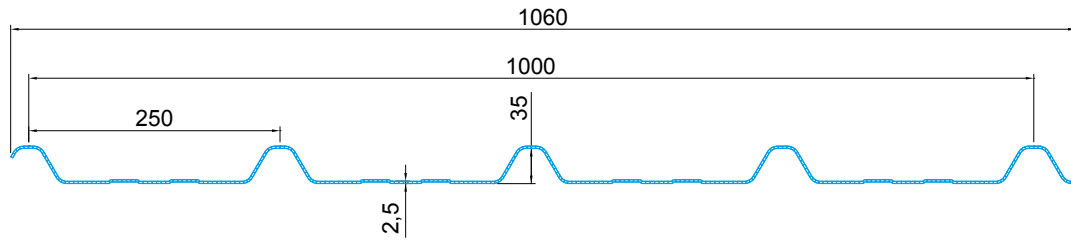
LIGHT T 237/35 compatible with "DANIELI W950"



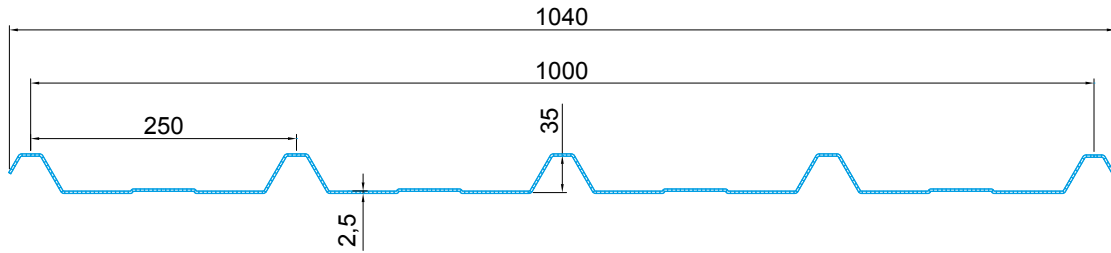
LIGHT T 247/39 compatible with "SILEX"



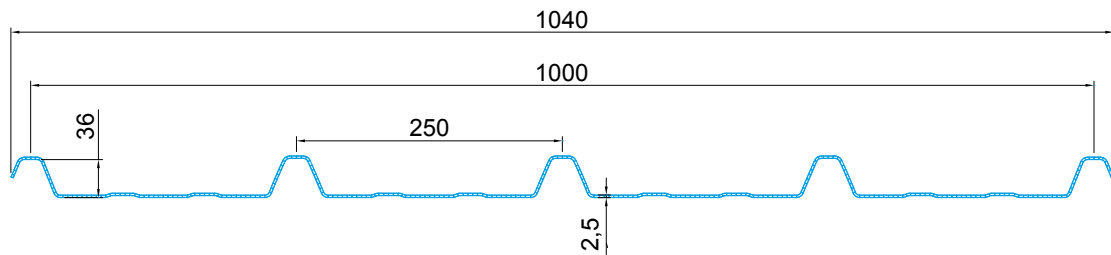
LIGHT T 250/33 compatible with "DANIELI SR 250R"



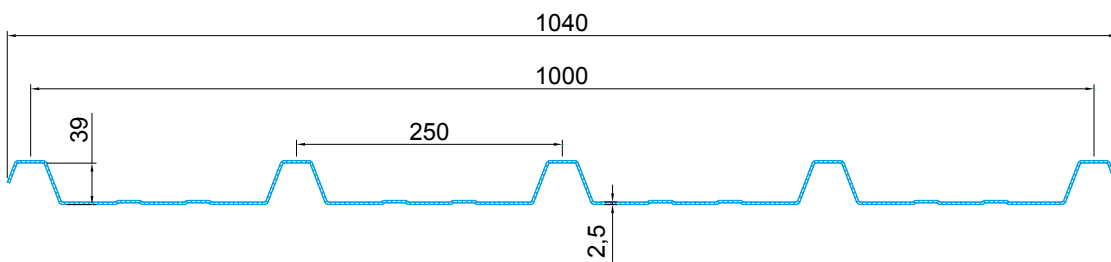
LIGHT T 250/35 compatible with "REX 33.250.1000"



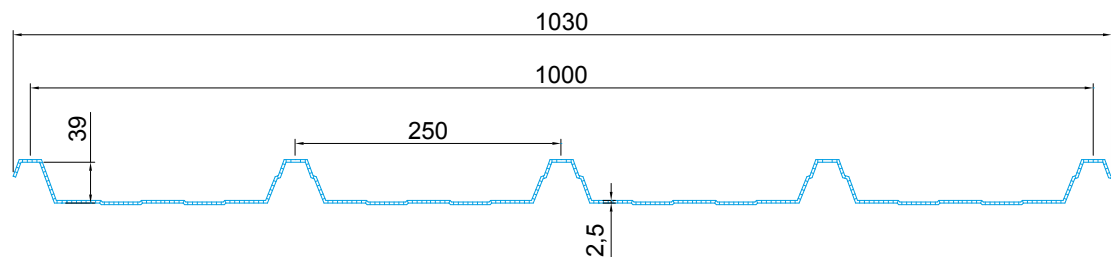
LIGHT T 250/35 compatible with "METECNO G5 TOPROOF"



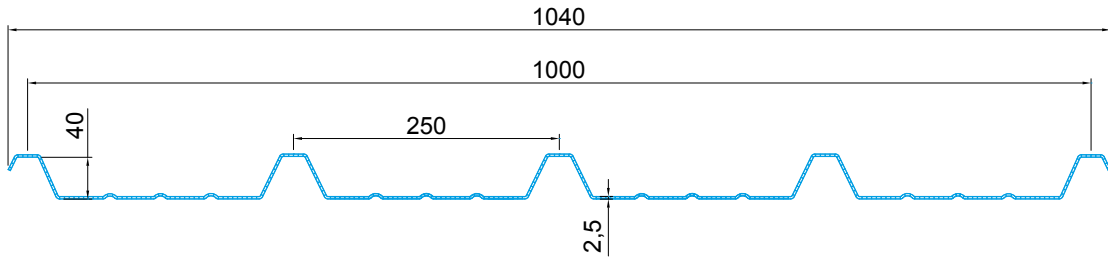
LIGHT T 250/37 compatible with "LATTONEDIL EURO CINQUE"



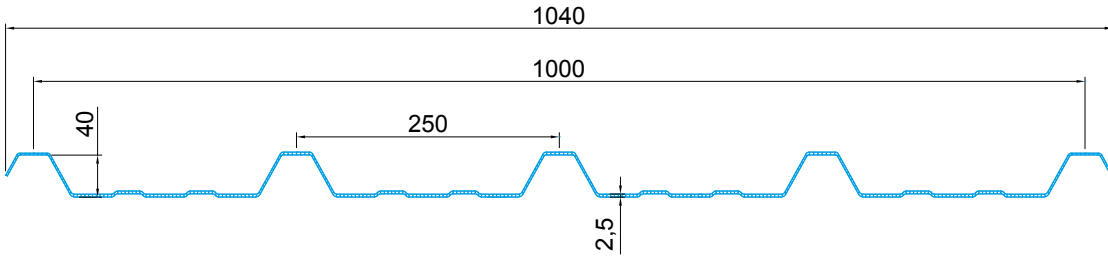
LIGHT T 250/39 compatible with "MARCEGAGLIA BROLLO"



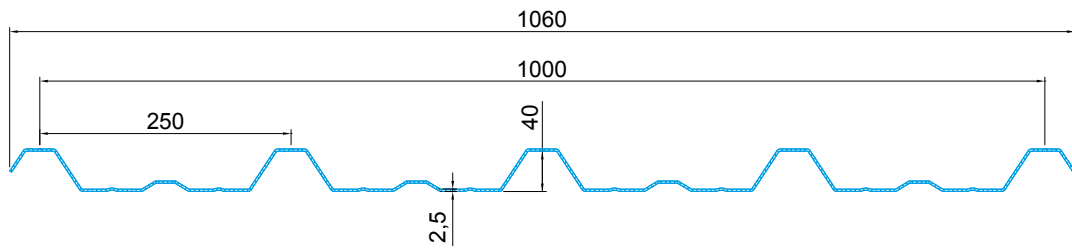
LIGHT T 250/39 compatible with "ITALPANNELLI PENTA"



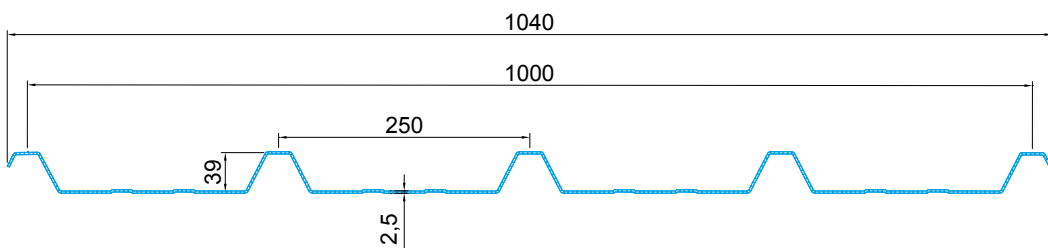
LIGHT T 250/40 compatible with "ISOLPACK DELTA 5A"



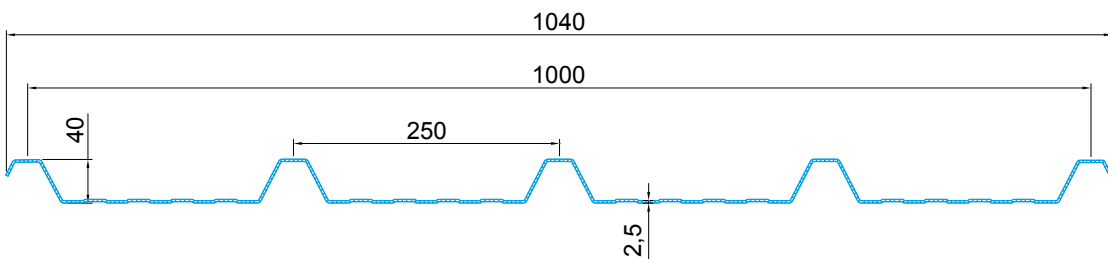
LIGHT T 250/40 compatible with "AISLUX 250/40"



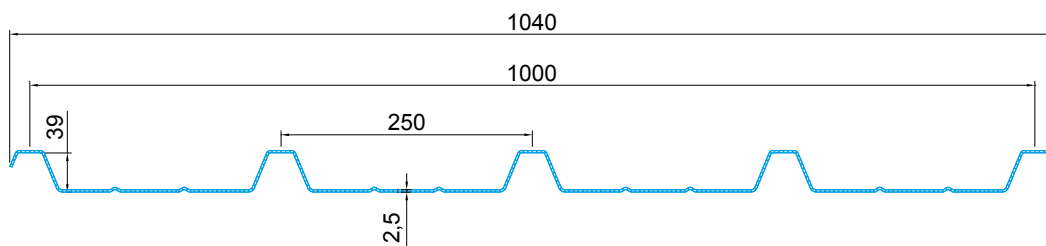
LIGHT T 250/40 compatible with "ISOLPACK RW1000"



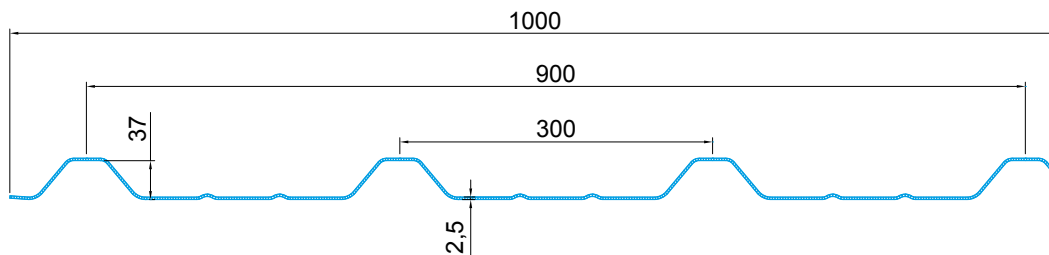
LIGHT T 250/40 compatible with "SANDRINI SAND40"



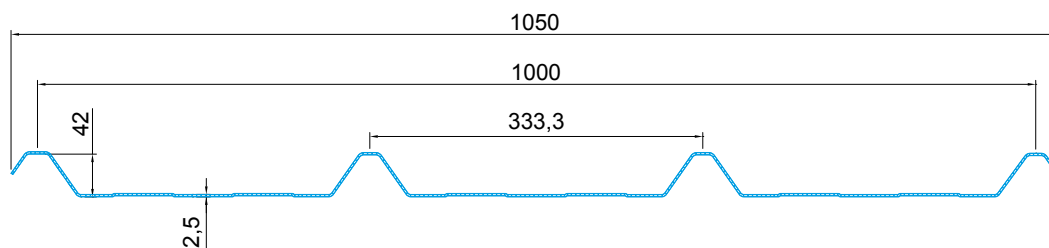
LIGHT T 250/40 compatible with "ALUBEL DACH"



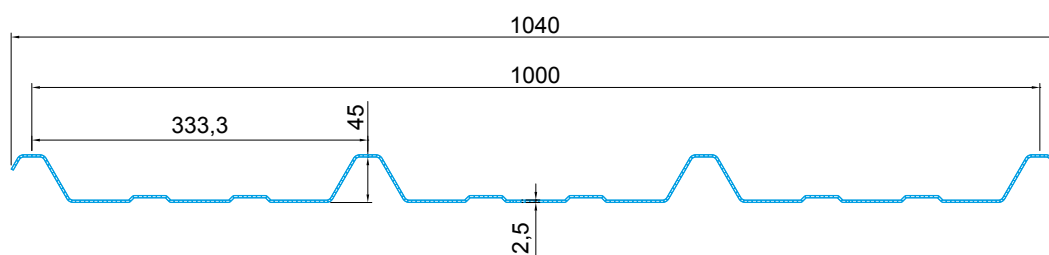
LIGHT T 250/40 compatible with "ISOPAN ISOCOP"



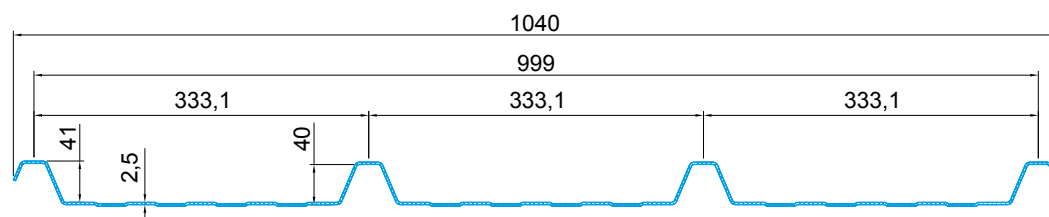
LIGHT T 300/37 compatible with "ONDULIT COVERIB 1000"



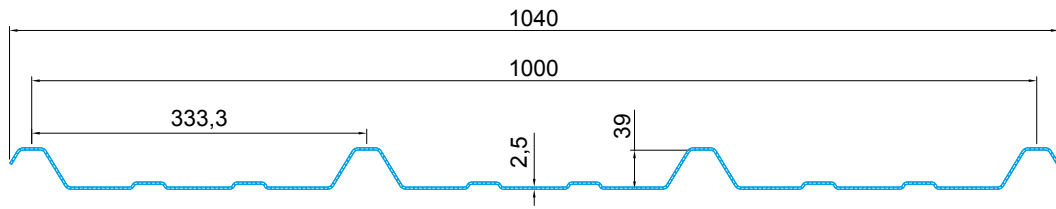
LIGHT T 333/42 compatible with "KINGSPAN KS1000"



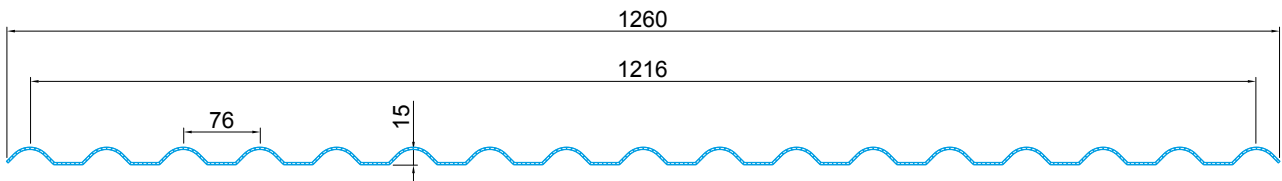
LIGHT T 333/45 compatible with "REX 45.333.1000"



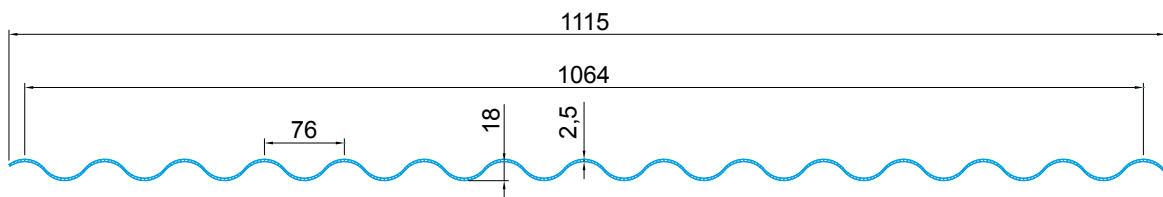
LIGHT T 333/40 compatible with "ISOCINDU ISOCOP 4G"



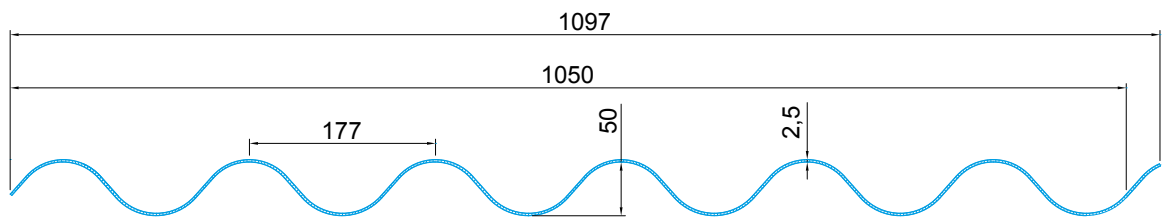
LIGHT T 333/39 compatible with "HAIRONVILLE 39/333"



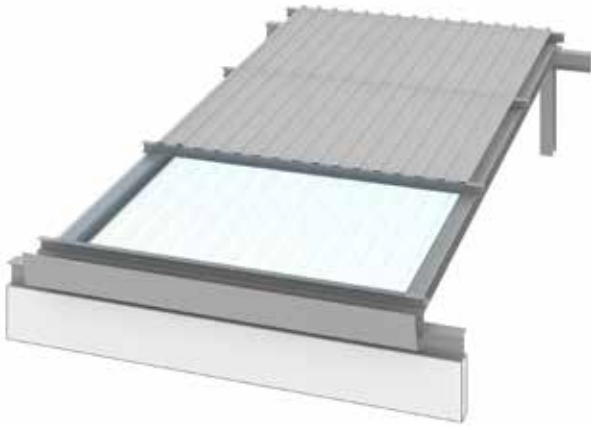
LIGHT W 76/15



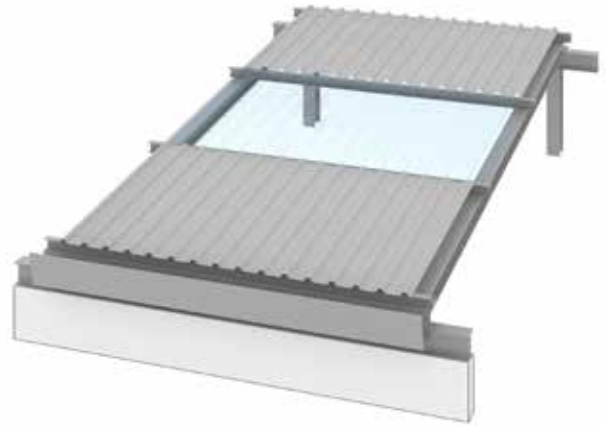
LIGHT W 76/18



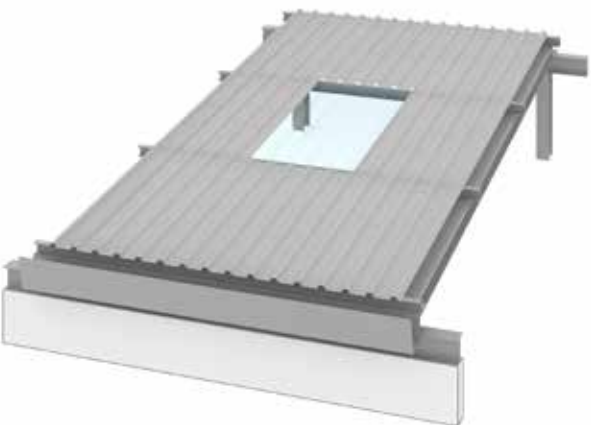
LIGHT W 177/51 compatible with "ETERNIT 177/51"



APPLICATION WITH OVERLAPPING

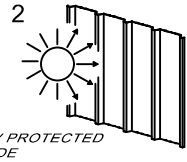
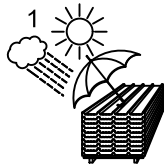


MIDDLE APPLICATION



APPLICATION WITH 4 SIDES OVERLAPPING

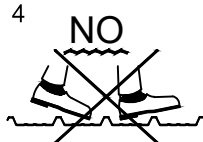
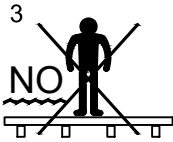
TECHNICAL NOTES:



UV PROTECTED SIDE

1. PROTECT SHEETS FROM SUN AND RAIN

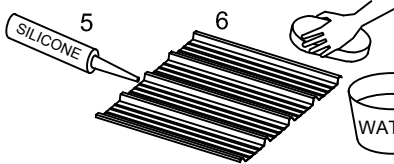
2. INSTALL SHEETS WITH UV PROTECTION OUTWARDS



3. DON'T WALK ON PC SHEETS

4. DON'T WALK DIRECTLY ON THE PANELS DURING BOTH INSTALLATION AND MAINTENANCE. TO ACCESS THE ROOF USING SUITABLE RUNWAYS.

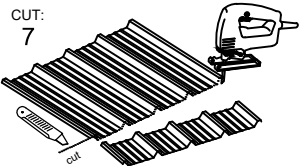
POLYCARBONATE CAN BE DAMAGED BY SOME CHEMICAL PRODUCTS, SO:



5. USE ONLY NEUTRAL SILICONE



6. FOR CLEANING USE ONLY WATER AND NEUTRAL DETERGENT



CUT: 7

SHEETS ARE PRODUCED ON THE REQUIRED LENGTH WITH THERMOSEALED HEADS

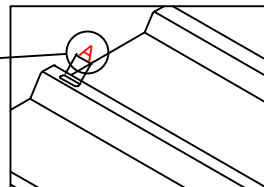
7. SHEETS CAN BE CUT ON SITE WITH: JIGSAWS (1) OR CUTTERS (2). CLOSE THE HEADS AFTER CUTTING



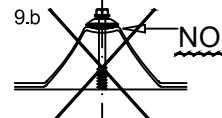
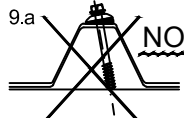
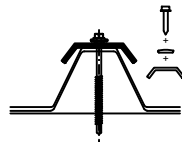
8. DRILL ON SITE WITH SUITABLE DRILL BITS. MAKE HOLES IN THE SHEETS ACCORDING TO NEXT TABLE.

DRILL: 8

Hole - Asolatura	
Panel length	Slot hole A
mm	mm
L ≤ 2000	10
2000 < L ≤ 4000	14
4000 < L ≤ 6000	18
L > 6000	18 + 2,6 mm/m



FIXING: 9



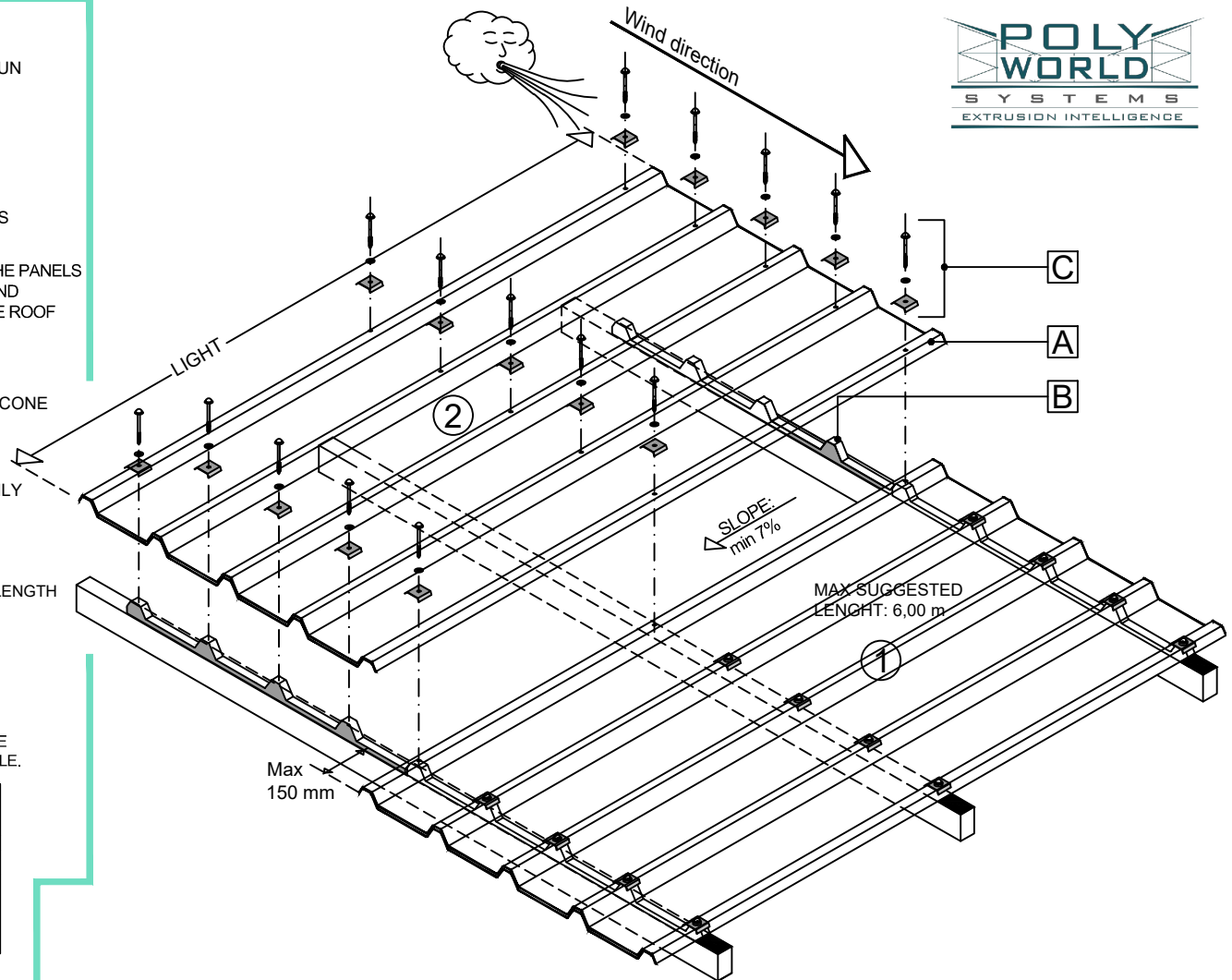
9.a. FIXING HAS TO BE ALWAYS PERPENDICULAR TO THE SHEET

9.b. DON'T TIGHTEN TOO MUCH THE SCREWS TO AVOID DAMAGING THE SHEETS.

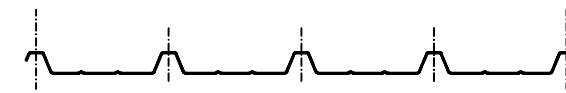
LOAD 10



10. PLEASE CONSULT OUR TECHNICAL DOCUMENTATION FOR LOAD RESISTANCE AND MAXIMUM SHEET LENGTH.



A LIGHT

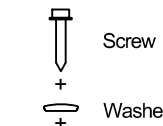


B SPACER



C FIXING

FIXING



Screw

Washer

Aluminium Cap



GEPLAST S.R.L.
Blvd. I.C.Bratianu 61A
Constanta, RO-900263

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