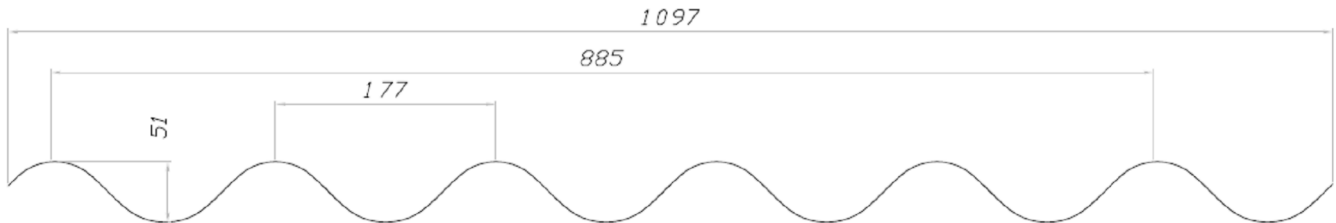


**Macrolux® Rooflite®**  
**Wave 177/51 0.9 mm; 1.0 mm; 1.2 mm; 1.4 mm**

**SECTION**

**RAA**



**TECHNICAL CHARACTERISTICS**

	Units	Value				Notes
		E381	E308	E304	E305	
<b>Code</b>		E381	E308	E304	E305	
<b>Thickness</b>	mm	0.9	1.0	1.2	1.4	
<b>Weight</b>	Kg/m <sup>2</sup>	1.31	1.45	1.70	2.00	-
<b>Pitch</b>	mm	177				-
<b>Nominal width</b>	mm	920 1097 1186				Tolerance ±10 mm
<b>Cover</b>	mm	708 885 1062				Tolerance ± 5 mm
<b>Length<sup>(1)(2)</sup></b>	mm	On request				Maximum suggested length 6,0 m
<b>Light transmission<sup>(3)(4)</sup></b>	%	89				Clear (0010)
		75				Opal (0037)
<b>Fire certification</b>	-	B s1 d0				According to EN 13501-1 (**)
<b>Minimum bending radius</b>	mm	11500				-
<b>Coefficient of thermal expansion</b>	mm/m °C	0,065				-
<b>Service temp. (continuous use)</b>	°C	-40° +120°				
<b>UV protection</b>	.	Yes				Coextruded on external side
<b>Warranty</b>						Refer to Stabilit 10 years limited warranty

(1) Parallel and diagonal max ±10 mm  
 (2) Banana effect and side warp max ±3 mm/m  
 (3) Internal test in according to ASTM standard  
 (4) For thickness of 1.0 mm  
 (\*\*) Fire certification could be subject to limitations.  
 Dimensional tolerance in according to EN 1013.



TECHNICAL DATASHEET  
*SCHEDA TECNICA*

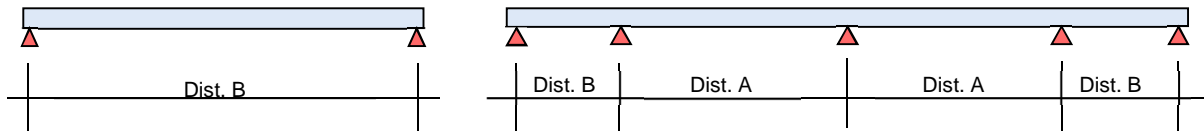
Corrugated polycarbonate sheet  
*Lastra corrugata in policarbonato*

Product code: E381-E308  
E304-E305  
Version: 00  
Latest update: 26.04.2019  
Page: 2/2

**Macrolux® Rooflite®**  
**Wave 177/51 0.9 mm; 1.0 mm; 1.2 mm; 1.4 mm**

## ULTIMATED LOAD VALUES FOR DISTRIBUTED LOADS

### ✓ LOAD VALUES (\*) FOR EVENLY DISTRIBUTED LOAD



Thickness mm	Distance A				Distance B			
	600 N/m <sup>2</sup>	900 N/m <sup>2</sup>	1.200 N/m <sup>2</sup>	1.500 N/m <sup>2</sup>	600 N/m <sup>2</sup>	900 N/m <sup>2</sup>	1.200 N/m <sup>2</sup>	1.500 N/m <sup>2</sup>
0.9	1.600	1.450	1.350	1.250	1.250	1.150	1.050	1.000
1.0	1.650	1.500	1.350	1.300	1.300	1.200	1.100	1.050
1.2	1.700	1.550	1.450	1.350	1.350	1.250	1.150	1.100
1.4	1.750	1.600	1.500	1.400	1.400	1.300	1.200	1.150

(\*) Ultimate load values (safety coefficient 1.5)

## Installation

We recommend to install sheets at a minimum roof slope of 5%.

MACROLUX® ROOFLITE® must be fastened to the support frame by a suitable number of fasteners chosen according to the type of support (wood, metal purlins, etc.). Fasteners should not exercise pressure on the sheet to avoid excessive deformation. Fastening points to all supports must include suitable washers to prevent water leakage. Slot holes are required to allow thermal expansion of sheets.

Supports must be smooth and clear of any objects that may affect sheet integrity such as nails, wires, ties, safety nets, etc.

## Roof access

Do not walk on sheets during installation and maintenance operations. Sheets are NOT suitable for bearing weight and may break. If it is necessary to access the roof, we recommend to use suitable footways to ensure that all operators can work safely.

Protect sheets from scratches with suitable cloths. To avoid the risk of falls and sheet breaking during roof maintenance, provide all necessary structures according to industrial safety regulations in force.

## Cutting, storage and cleaning

Cut MACROLUX® ROOFLITE® with standard shears. Make sure that sheets are firmly clamped during cutting operations to avoid vibrations. Pallets of sheets can be stacked up to a maximum of 4 m rows only during transportation, while laying an insulating material between one pallet and the other which must protect and avoid the crushing of the lower pallets and sheets. Furthermore the pallets of sheets must be stored away from sunlight or other heat sources.

Do not place any load on the sheets during transportation or storage. To preserve perfect transparency, clean the external surface of sheets regularly with water and mild detergents. Do not scratch the surface with abrasives, blades or pointed tools to avoid damaging the protection layer.

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