



AMBROPOLIMER srl

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HIGH IMPACT (370 grade) PMMA CORRUGATED SHEET

Our extruded corrugated sheets, trade name OndaCryl, are a high quality product, specially appreciated where the resistance and the brightness are important. In fact these sheets offer a very good light diffusion, they are easy to clean though their flat size which allows the water to come through and offer an excellent resistance against the UV aging, which allows a long lasting life. On top of this, installing them on the existing structures is extremely easy. When no more in use, the sheet can be recycled. Whenever the sheet is not self-extinguishing, the production of smoke, when burning, is very low and the smokes are not toxic, while other less burning materials are. As standard are available three different types of embossed either in bronze either in clear colour, Lengths can vary from 2 to 8 meters. Any special demand can be evaluating.

Structure	Ape Nest
Corrugation	76/18 mm.
N° waves	14
Thickness	3,2 mm.
Width	1045 mm.
Length	from 2000 mm. to 8000 mm.
Lasting temperature	from -40 to +80 °C
Thermal expansion	0,07 mm/m °C
Light transmission	ca. 90% for clear ca
Light transmission	ca. 52% for bronze
Aging characteristics	very good
Standard packaging	40 sheets per pallets
Corrugation	76/18 mm.



Installation recommendations

Maximum normal distance between horizontal purling (roofing) 1000 mm.

Maximum normal distance between vertical purling (cladding) 1000 mm.

Overlapping: 1 wave

Roof pitch: more than $> 10^\circ = 15,6^\circ$

Wood or Metal Support construction

The support must be rigid in order to avoid a successive deformation or a sheets damaging. The structure must be painted in light colours or be equipped with aluminium tapes to avoid heat accumulation. You can walk on OndaCryl sheets only on timber boards.



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Installation lengths

The sheet dilatation for thermal expansion is of ca. 3mm. for linear meter, so we recommend a maximum length of 4 meters. Because of this expansion the fixing holes must be bigger than the screws of 4 - 5 mm. at least.

How to bore OndaCryl

You may use appropriate points or normal points for wood, or using a outlet. Please, pay attention to the finishing of the holes that must be smooth. The screws must be not too tight.

How to cut OndaCryl

You may use a hard metal blade appropriate for cutting PMMA

How to fix OndaCryl

We recommend to fix every third corrugation on the purling. Screw must be appropriate for PMMA. On the roofing, the fixing must be on the top of the wave; on the cladding the fixing must be on the bottom of the wave.

Insulation

Insulation material must chemical compatible with PMMA

Cleaning

Normally the rain is enough to keep the sheets clean. You can easily clean it with a soft cloth and neutral soap or detergent. Never use chemicals or pointed tools that could damage the sheet.