

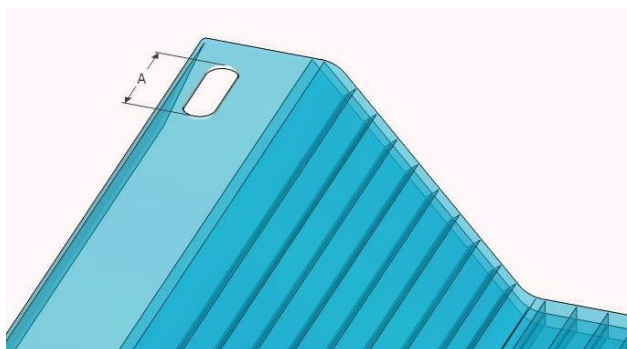
Installation Recommendations

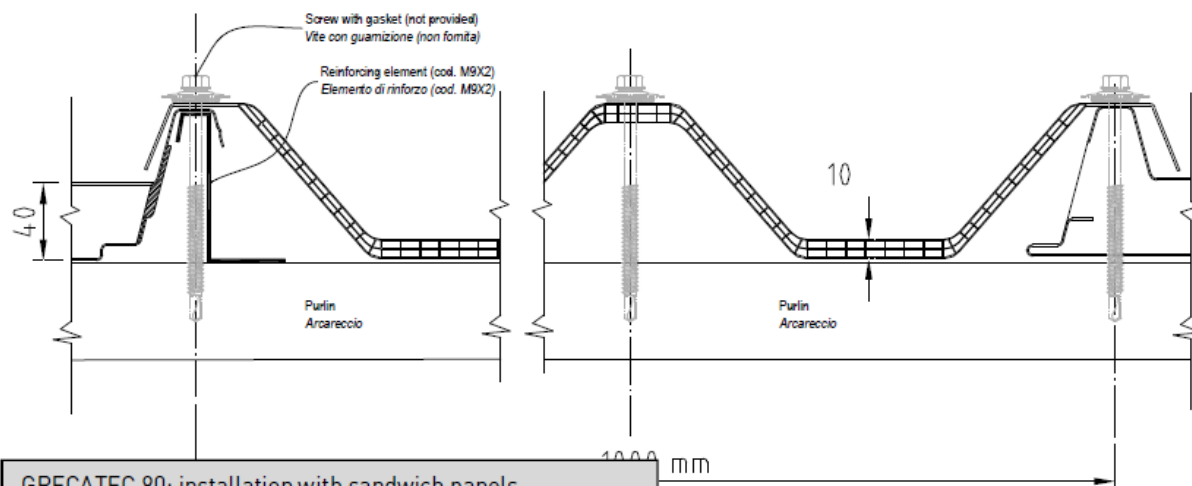
1- Installation FLAT Application

- The panel GRECATEC is designed to create skylights to the entire slope (from ridge to eaves) in combination with insulated panels or for continuous skylights.
- The installation requires slot holes on the top of panel's crest that allow the positioning of screws corresponding the purlins of the supporting structure; due to the high coefficient of thermal expansion of polycarbonate panels, for length up to 6 m (maximum recommended length), the Customer must provide a minimum slot hole as indicated in Table A below. Consequently, the screws used for fixing should be provided with proper gaskets to prevent possible water infiltration.
- For slopes greater than 6 m in length, it recommends the use of more overlapped sheets with a depth of at least 200 mm overlap. The placement of a PE adhesive gasket between the two overlapped sheets is always recommended.
- The PC panel will be fixed at all purlins: if the distance between them is greater than 1500 mm is recommended to provide additional fixing in the middle of side wings. If the insulated panel, which will be coupled to the PC panel, had a height exceeding 40 mm, at each purlin will need to insert a spacer for the support of the central part of the panel.
- For the support of the empty greca of the insulated panel or to support the wings in case of continuous solution, a metal support element must be placed at each purlin.
- The GrecaTec panels are supplied welded at the ends. In ridge and eaves should be installed the specific PE spacer to close the space below (gutter) and above (top) of the shape. A metal ridge profile is available on request.
- The termowelded of the heads reduce the infiltration of dust and dirty into the chambers. This finishing doesn't guarantee the perfect water tightness and doesn't prevent the formation of condensation into the chambers. The presence of small holes on the edge can't be considered a defect that can be closed with a thin layer of silicone compatible with the polycarbonate.
- The possible formation of condensation spots inside the cells is a phenomenon linked to the hygroscopic properties of the material and the specific climatic conditions (inside temperature, outdoor temperature, relative humidity) that can't be avoided in advance. Nevertheless, the possible formation of condensation is a phenomenon that will disappear with the establishment of conditions and doesn't affect the chemical, physical and mechanical properties of panels.

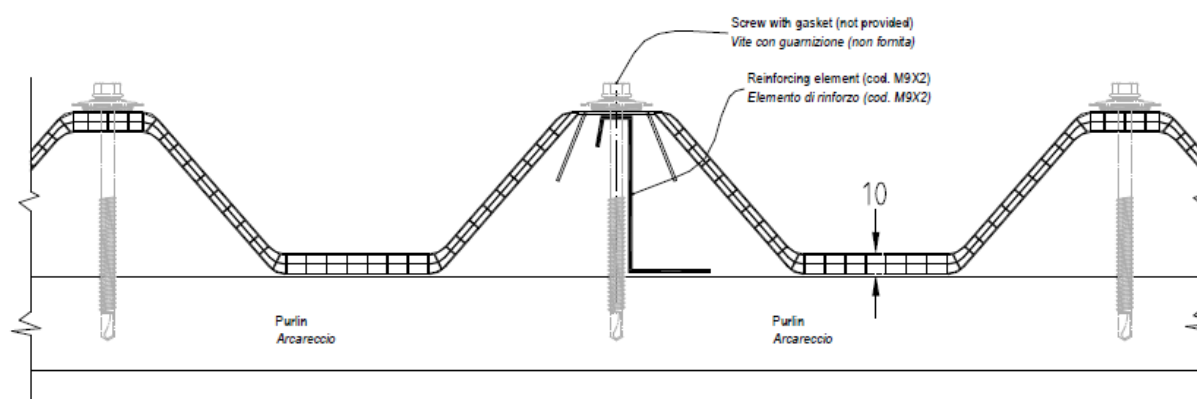
TABLE A

Panel Length	Slot Hole A
mm	mm
≤ 2000 mm	10
> 2000 mm ; ≤ 4000 mm	14
> 4000 mm ; ≤ 6000 mm	18
> 6000 mm	18 + 2,6 mm/m

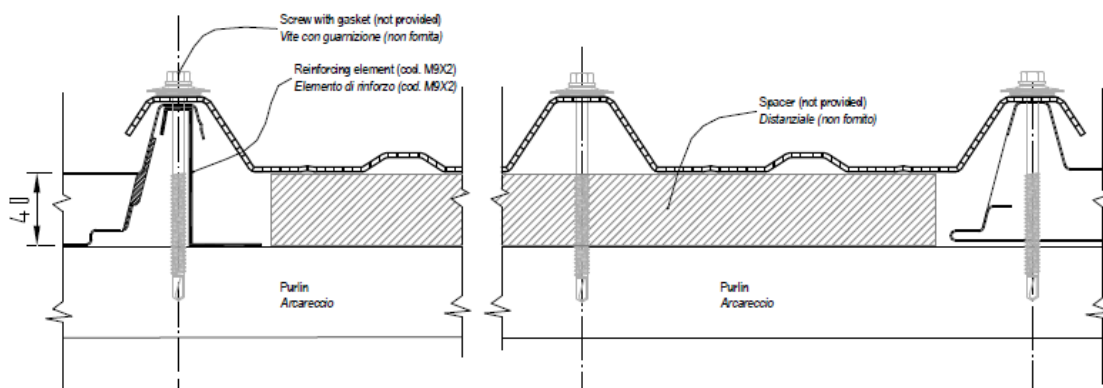




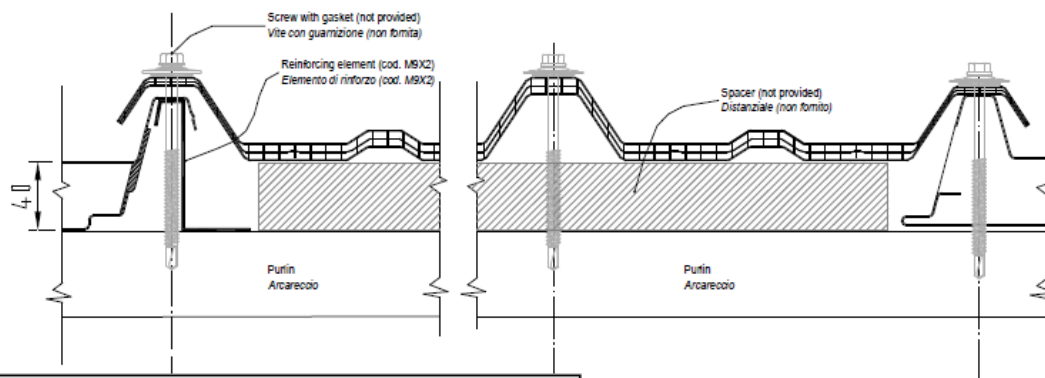
GRECATEC 80: installation with sandwich panels
GRECATEC 80: installazione con pannelli coibentati



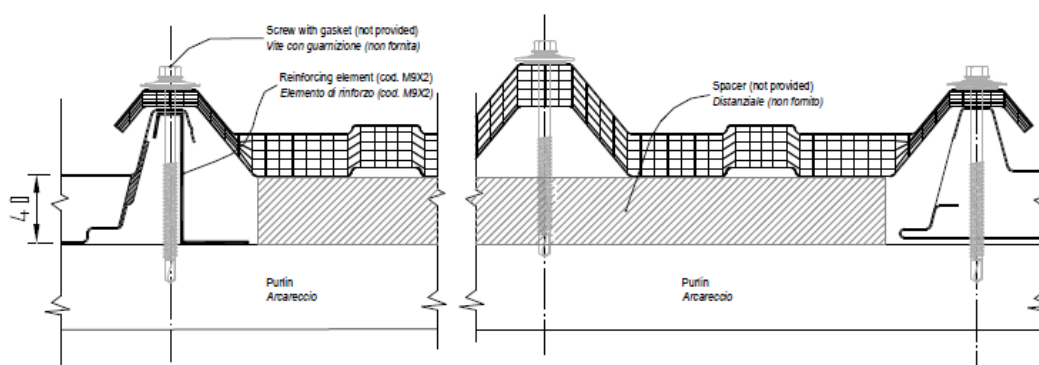
GRECATEC 80: continuous installation
GRECATEC 80: installazione in continuo



GRECATEC 250/40 3mm: installation with sandwich panels
GRECATEC 250/40 3mm: installazione con pannelli

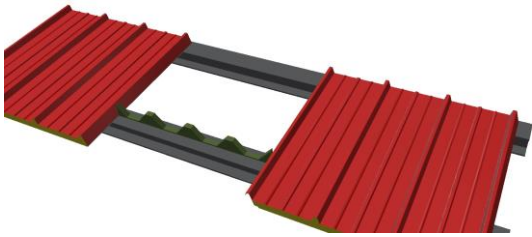
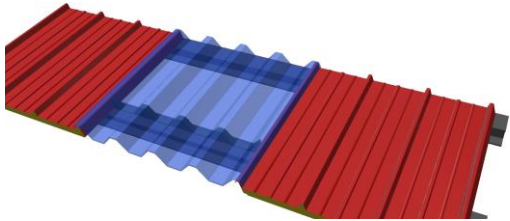
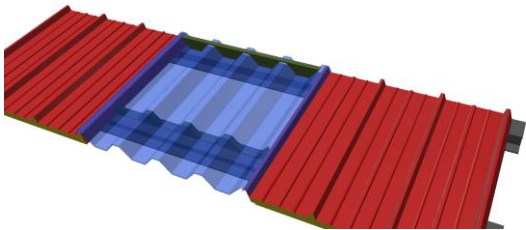
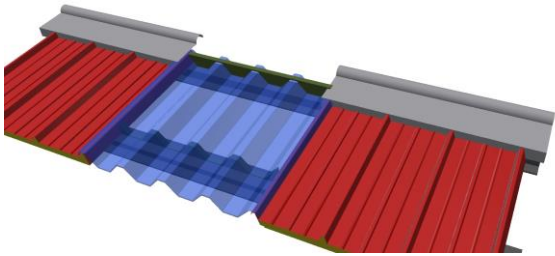
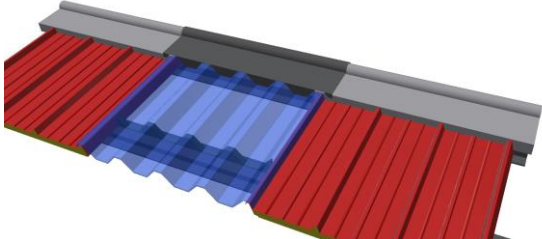


GRECATEC 250/40 10mm: installation with sandwich panels
GRECATEC 250/40 10mm: installazione con pannelli coibentati



GRECATEC 250/40 25mm: installation with sandwich panels
GRECATEC 250/40 25mm: installazione con pannelli

2- Installation RIDGE-GUTTER

	<p>1-The PE spacer is made from two pieces. Install the lower PE spacer profile part on the purlin.</p> <p>PE Spacer ridge-gutter profile:</p> <ul style="list-style-type: none"> - for Grecatec 250/80-10 =(cod.MZZ5 / MZZ8) - for Grecatec 250/40-10 =(cod.M9A5) - for Grecatec 250/40-25 =(cod.M9A4)
	<p>2-Install Grecatec Sheet on the purlin in the gutter.</p>
	<p>3- Install the higher PE spacer profile on the Grecatec sheet in the ridge.</p>
	<p>4- Install the Half Ridge for the panels</p>
	<p>5- Install the metal Half Ridge for the Grecatec sheet.</p> <p>Metal Half Ridge Profile:</p> <ul style="list-style-type: none"> - for Grecatec 250/80-10 =(cod. M9X4) - for Grecatec 250/40-10 =(cod.M9A2) - for Grecatec 250/40-25 =(cod.M9A1)

The information listed in this technical sheet is based on experience and testing by the company, without this implying any responsibility regarding different applications, since Stabilite Europe no has any control over end use.

