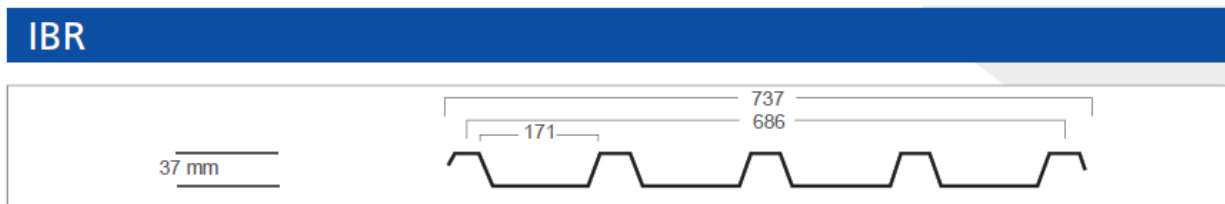




The Ampa Plastics Group Modek IBR 686 mm cover Polycarbonate translucent roof sheeting:



**Sheeting profile:**

Where required to introduce natural light, IBR 1 mm for side cladding and 1,2 mm for roof cladding should be selected.

In terms of roof cladding, **IBR** can be used if the pitch of the roof is greater than 5 degrees.

**Application:** Roof or side cladding

**Material and finish for Modek IBR Polycarbonate roof sheeting:**

**ALL Modek translucent roof sheeting is manufactured as UV2**

- Clear
- Opal 50
- Bronze
- Heat Stop (silver)
- Charcoal on special request and minimum quantities
- Diffuser (min order quantities apply)

**Fixings for Modek IBR Polycarbonate sheeting:**

A bonded washer with not less than 20 mm diameter must be used.

**Safety;**

Extra care should be taken when installing Modek Polycarbonate sheeting on the roof due to the fact that polycarbonate is not of “walk on” nature. An installation board should be used to spread the weight of the installer evenly.

**Installation:**

Fixings should be used through every crown at the top end of the sheet. Thereafter a fixing must be used through every second narrow crown at each purlin all the way down to the final end lap, where a fixing is applied again through every crown.

NB! Pre-drilling of the holes is imperative before the permanent fixing is done. The pre-drilling should be at least 2 mm bigger than the diameter of the shaft of the fixing screws.

The purpose of pre-drilling is to avoid excessive expansion and contraction of Polycarbonate sheeting. Each end lap should lap at least 300 mm onto the other sheet. Care must be taken to not over-tighten the fixing screw i.e. the crown should not show indentation after the screw is fixed. As is the case with any sheet installation, the lap end must face away from the prevailing wind.

**Handling and storage:**

The Modek Polycarbonate sheeting is wrapped before it is delivered to site. Upon receipt, inspection should be carried out to ensure that no damages are present. Sheets must not be pulled from the pile from one end and sliding along the length of the pack. This will cause scratching. Rather strip the sheet required in a roll action from one side to the other. The covering of the sheeting should only be removed when installation is going to take place. This will avoid construction dust and debris settling in and on the sheets.

**Protrusion through sheeted surfaces:**

Absolutely no protrusion through polycarbonate sheeting.

**Quality Assurance**

The manufacturer shall be assessed and certified as complying with ISO 9001:2015 Quality Assurance.

**Cleaning of polycarbonate roof sheeting;**

The roof sheeting must be washed down every six months with very mild soap detergent and water to remove any surrounding manufacturing and atmospheric residue.

**Sealing and side stitching:**

Absolutely no other product other than butyl tape must be used when sealing is carried out on the end laps. It is recommended that a double strip of butyl is applied at each end lap.

**Purlin Spacing:**

If a continuous run installation is made, i.e. polycarbonate sheets sided by side all along the roof, purlin spacing should not be more than 1,5m. If polycarbonate is fitted with a steel sheet neighbouring each side all along the building, then the purlin spacing can be 1,8m. During side cladding it is recommended that purlin spacing should not be more than one meter. Side stitching screws can be applied 300 mm along the side of the sheets to avoid wind vibrations.

Always refer to graph below

Guide to maximum support centres Single Skin (GRP 1.8kg/m <sup>2</sup> " PC 1.25mm) roofing		
Profile depth	Chequerboard	Continuous run
18 - 25mm	1200mm	900mm
26 - 30mm	1500mm	1000mm
31 - 55mm	1800mm	1500mm

**Bill descriptions:**

Area required to be covered with Modek polycarbonate sheeting should be expressed in square metre or total Linear metre.

**Warranty:**

All Modek industrial gauges i.e. 1 mm and 1,2 mm carries a warranty of ten years.