

INFORMATION AND INSTALLATION GUIDE



Modek is the leading manufacturer of translucent roof sheeting in Africa, and is a key provider of Glass Reinforced Polyester (GRP) and Polycarbonate (PC) into world markets.

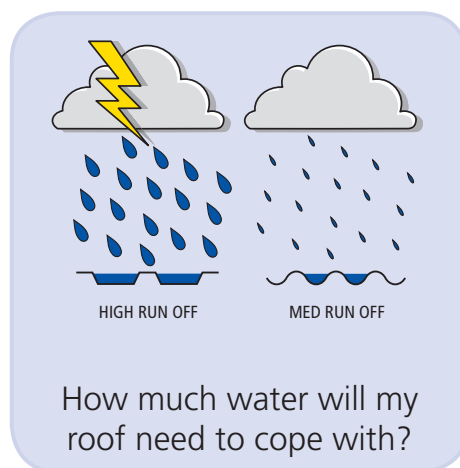
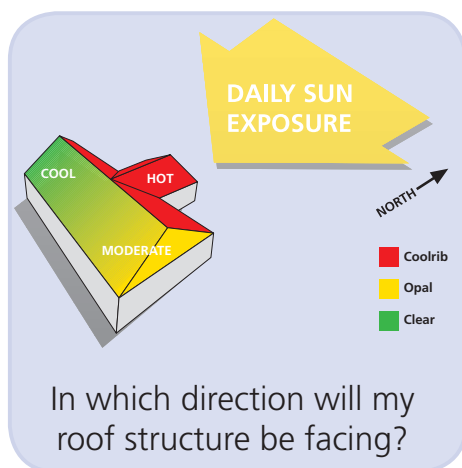
With 20 years of experience, Modek's range of products is used for roofing and side cladding of steel structures, mainly for the purpose of providing and enhancing natural light.

Modek's products are specifically designed to withstand South Africa's harsh climate and the company delivers a range of quality products backed by exceptional customer service.

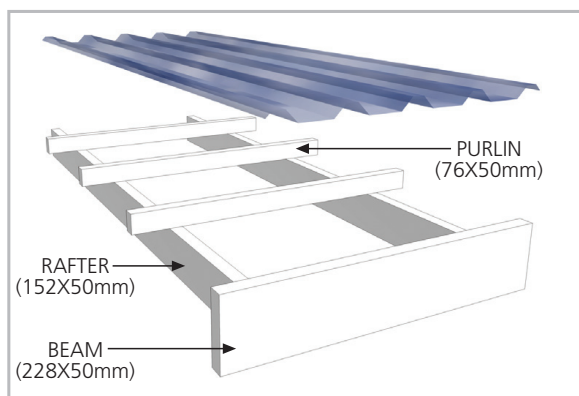
Selecting the right sheeting for your application

Selecting the correct sheet is important. Take time to examine the weather conditions vs. the desired end result before making a final decision on which product, profile and colour you are about to purchase and install. If you are unsure, seek the advice of a professional or visit www.modek.co.za for assistance.

BELOW ARE A FEW FACTORS TO CONSIDER PRIOR TO YOUR PURCHASE:



WORKING WITH YOUR STRUCTURE



With your supporting structure erected, please remember to space the purlins not wider than 900 mm apart. Ensure there is a minimum 5° fall for water run off.

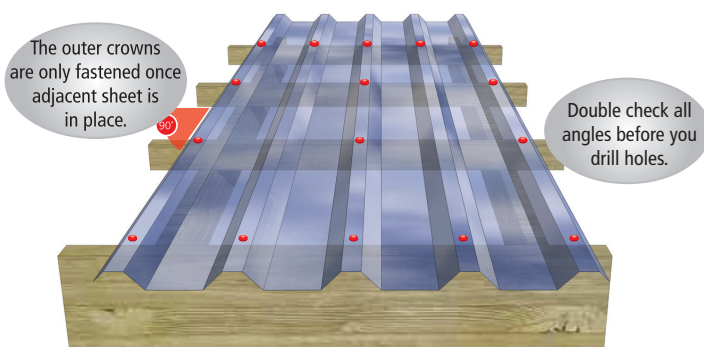
If any preparation is to be done to the supporting structure, eg: painting, varnishing etc do it before you fix your sheets.

Take your time on the first sheet, ensuring that it is placed square to the purlins and to the structure in general.

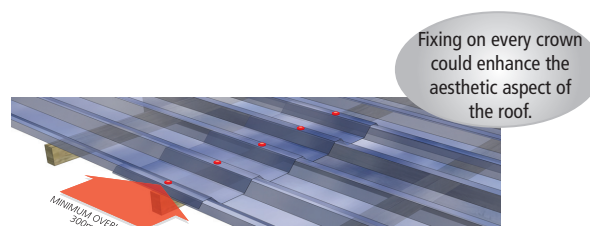
Ensure that the label side of the sheet faces the sun.

Installing your roofsheets: getting started

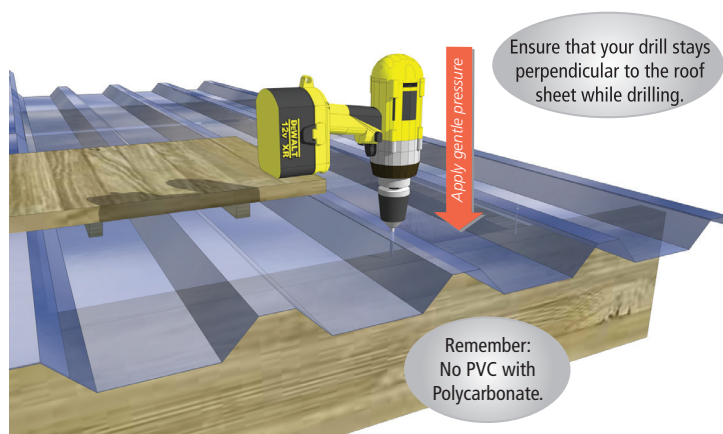
Mark the crowns to be fastened. You will fasten every crown at both ends of the sheet, and alternative crowns on intermediate purlins.



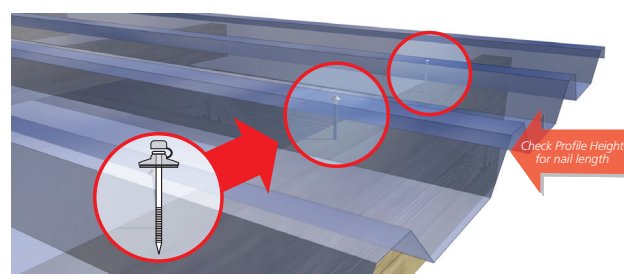
If there are end laps (overlapping sheets generally required when covering large areas), these will be fixed at every crown. (Note: Do not fasten through the valley of the profile).



Pre-drill the sheet at these points, allowing for a 1mm - 2mm clearance on GRP (Fibreglass) a 2mm - 6mm oversized on Polycarbonate to accommodate expansion and contraction.



Only make use of EPDM bonded washers. The length of a fixing will be determined by the sheet profile used.

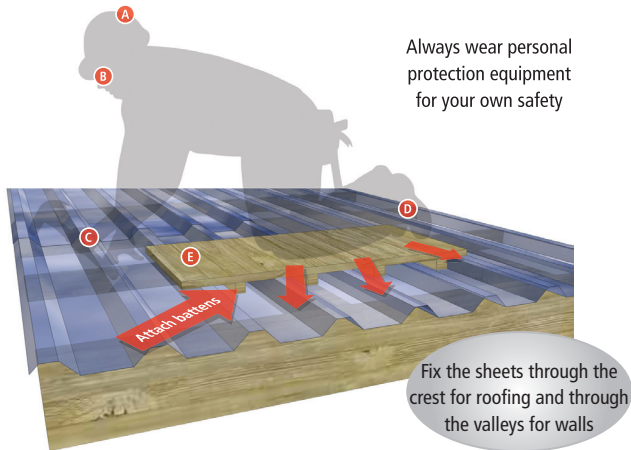


WORKING WITH YOUR STRUCTURE

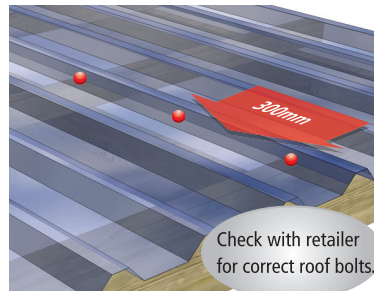
Use a duck board (piece of flat timber - to straddle purlin to purlin) on the roof to distribute your weight evenly when working.

Fix the starter sheet down, leaving the side laps and end laps, (if using more than one sheet in length) to be fixed when the next sheet is in place. (Note: end overlaps should not be less than 300 mm)

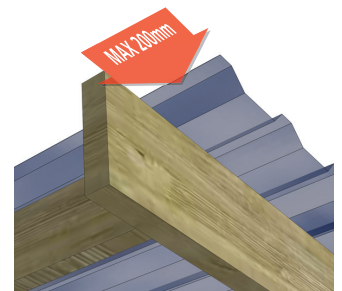
Fasten the fixings, ensuring that the roof screw is not overtightend. The crown will now be held slightly in tension.



Side stitch at 300 mm intervals in windy areas using roof bolts.

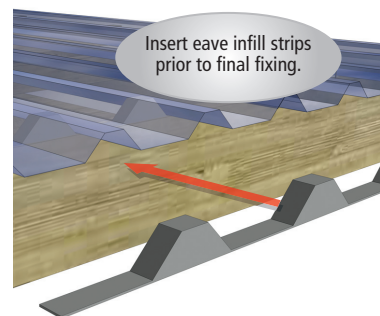
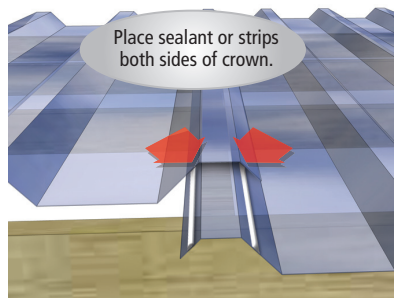


The overhang at the last purlin should not exceed 200 mm.



If waterproofing is a necessity, we advise to seal end laps on roof sheets which have a pitch of less than 20 degrees. Use a compatible sealant for Fibreglass and Polycarbonate.

PVC washers and sealants must NOT be used with Polycarbonate roof sheets, only Sealing strips and neutral Silicone sealants are suitable.



FIBREGLASS

Profile	Weight	Colour
IBR	Available in 1.0kg 1.1kg 1.4kg	Clear Opal Green Blue
Sheet/Cover width 		
Corrugated	Available in 1.0kg 1.1kg 1.4kg	Clear Opal Green Blue
Sheet/Cover width 		

POLYCARBONATE UV - STABILISED

Profile	Thickness	Colour
IBR	Available in 0.8mm 1mm	Clear Opal Bronze
Sheet/Cover width 		
Corrugated	Available in 0.8mm 1mm	Clear Opal Bronze
Sheet/Cover width 		