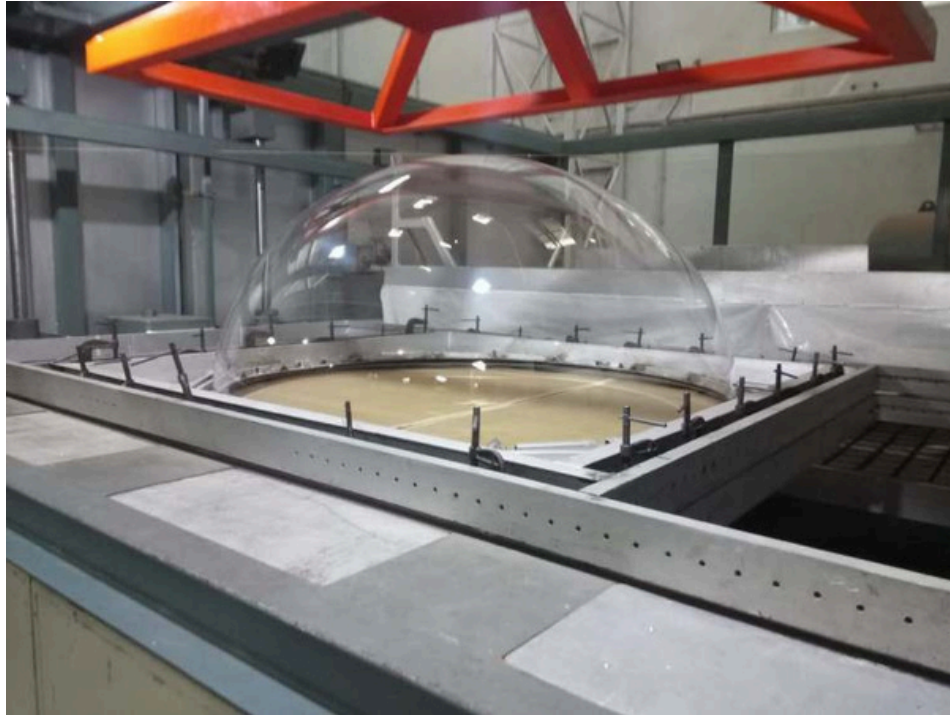


*Thermoforming Engineering Studio*  
*Laargest Manufacturers of Domes & Pyramids*



Thermoformers  
private limited

92745 07570 99096 06757 / 98250 67570 sales@hitech-products.com / hitechthermoformerspvtltd@gmail.com  
Hi Tech Thermoformers private limited, 61- Navdurga Industrial Park, At & PO : Sankarda , Ta & Dist. Vadodadra, Gujarat - 391350



The LARGEST Dome Manufacturer of BHARAT , in size , quality and quantity.

We are the only Thermoformers who don't even touch the sheet surface during production of the domes.

We have a range of DOMES starting from 150mm diameter to 2050mm diameter and versatility to work with toughest engineering plastics like ACRYLIC & POLYCRABONATE SHEETS.

We do take care of PYRAMIDS & SQUARE DOMES as well to satisfy all shapes, sizes and Types for ARCHITECTURAL range of requirement



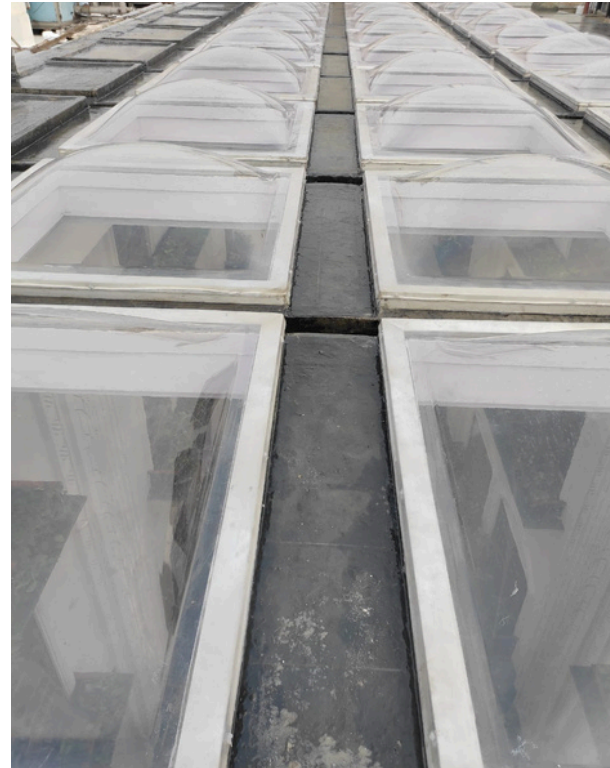
One of the best configurations to bring in the Sunlight inside building that too without heat. This is SANDWICH construction of ROUND / SQUARE DOMES & PYRAMIDS.

One can control the percentage of light transmission in the building along with the control over heat by selecting type of polycarbonate sheets with which the Domes are manufactured. Any construction like Single Dome or Sandwich Dome can be designed to be opened manually / electrically with or with remote to evacuate the hot air from building.



This STEPPED FLANGE ROUND DOMES are Embossed / Diffused clear single polycarbonate dome in a manufacturing industry. The images are self explanatory to understand the gain inside the production hall. At the same time utmost care is taken to fix the domes with MS frames, if dimensions of standard dome sizes and openings are not matching.





These FLAT FLANGE ROUND DOMES manufactured from UV coated Embossed/Diffused Clear Polycarbonate sheets manufactured with Covestro Resin by industry giants like LEXAN & Saraswati Plastotech. These DOMES normally last for 10 years, if handled as per Fixing guidelines & Post Fixing maintenance guidelines provided by us.



These are FLAT FLANGE  
CLEAR TRANSPARENT ROUND &  
SQUARE DOMES & PYRAMID.

These products transmit 94% of light inside  
the building and have 50 micron  
UV coating on both the sides enabling life  
span of minimum 10 years.





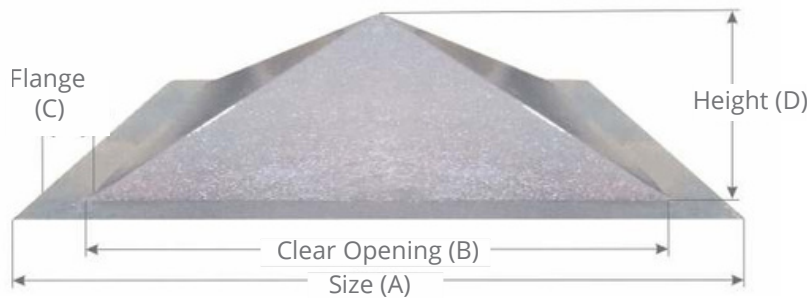




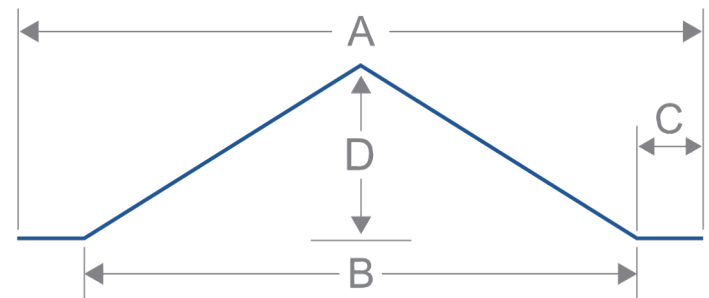


## FLAT FLANGE PYRAMID

Size in mm A	Size in Inches	Clear Opening B	Flange C	Height D
600 mm x 600 mm	24" x 24"	500 mm x 500 mm	50 mm	150 mm
900 mm x 900 mm	36" x 36"	800 mm x 800 mm	50 mm	250 mm
1000 mm x 1000 mm	39" x 39"	900 mm x 900 mm	50 mm	275 mm
1200 mm x 1200 mm	48" x 48"	1100 mm x 1100 mm	50 mm	300 mm
1500 mm x 1500 mm	60" x 60"	1400 mm x 1400 mm	50 mm	375 mm
1800 mm x 1800 mm	72" x 72"	1700 mm x 1700 mm	50 mm	400 mm
2000 mm x 2000 mm	80" x 80"	1900 mm x 1900 mm	50 mm	550 mm
Note: (1) Domes and Square Dome's "Height" may vary (+ / - 20 mm) (2) Prices are subject to change without prior notice.				



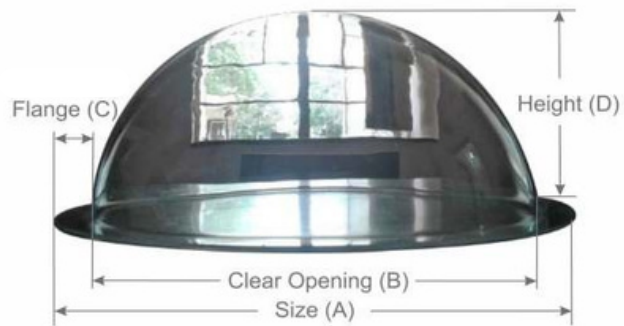
**FLAT FLANGE PYRAMID**



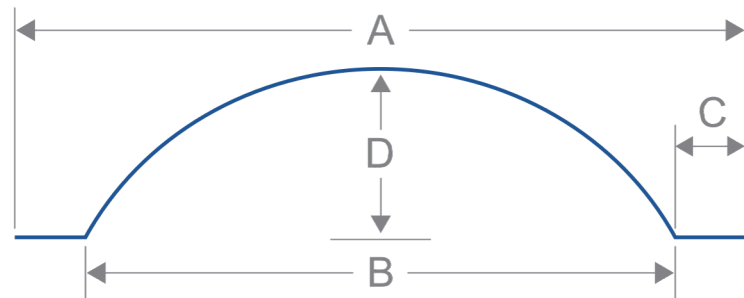
**PYRAMID SECTION**

## FLAT FLANGE ROUND DOMES

Size in mm A	Size in Inches	Clear Opening B	Flange C	Height D
600 mm Dia	24"	500 mm Dia	50 mm	125 mm
900 mm Dia	36"	800 mm Dia	50 mm	200 mm
1000 mm Dia	39"	900 mm Dia	50 mm	225 mm
1200 mm Dia	48"	1100 mm Dia	50 mm	250 mm
1500 mm Dia	60"	1400 mm Dia	50 mm	350 mm
1800 mm Dia	72"	1700 mm Dia	50 mm	400 mm
2000 mm Dia	80"	1900 mm Dia	50 mm	500 mm
<p>Note: (1) Domes and Square Dome's "Height" may vary (+ /- 20 mm) (2) Prices are subject to change without prior notice.</p>				



**FLAT FLANGE ROUND DOME**



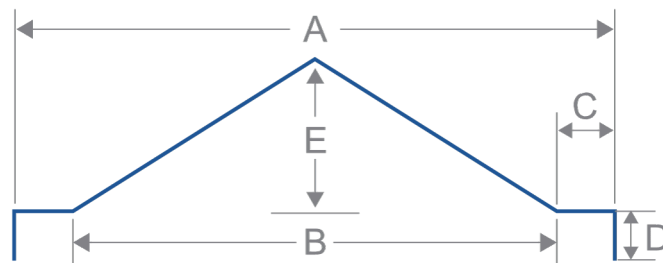
**ROUND DOME SECTION**

## STEPPED FLANGE PYRAMID

Size in mm A	Size in Inches	Clear Opening B	Horizontal Flange C	Vertical Flange D	Height E
500 mm x 500 mm	19.5" x 19.5"	400 mm x 400 mm	50 mm	50 mm	100 mm
870 mm x 870 mm	34" x 34"	720 mm x 720 mm	75 mm	60 mm	175 mm
1090 mm x 1090mm	43" x 43"	940 mm x 940 mm	75 mm	60 mm	225 mm
1350mm x 1350 mm	54" x 54"	1200 mm x 1200 mm	75 mm	60 mm	350 mm
1550mm x 1550 mm	62" x 62"	1400 mm x 1400 mm	75 mm	60 mm	400 mm
1850mm x 1850 mm	74" x 74"	1700 mm x 1700 mm	75 mm	60 mm	500 mm
<b>Note: (1) Domes and Square Dome's "Height" may vary (+ /- 20 mm) (2) Prices are subject to change without prior notice.</b>					



**STEPPED FLANGE PYRAMID**



**STEPPED FLANGE PYRAMID SECTION**



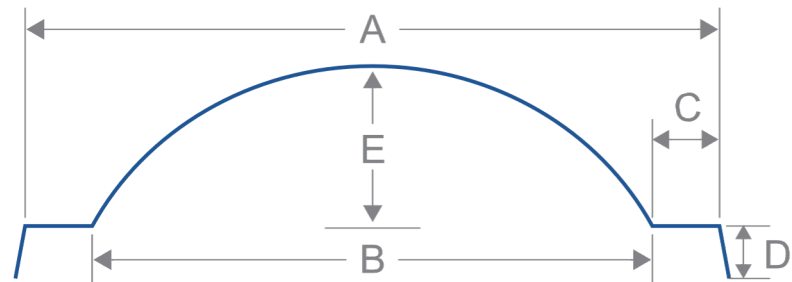


## STEPPED FLANGE ROUND DOMES

Size in mm A	Size in Inches	Clear Opening B	Horizontal Flange C	Vertical Flange D	Height E
500 mm Dia	19.5" Dia	400 mm Dia	50 mm	50 mm	100 mm
870 mm Dia	34" Dia	720 mm Dia	75 mm	60 mm	175 mm
1090 mm Dia	43" Dia	940 mm Dia	75 mm	60 mm	225 mm
1350 mm Dia	54" Dia	1200 mm Dia	75 mm	60 mm	350 mm
1550 mm Dia	62" Dia	1400 mm Dia	75 mm	60 mm	400 mm
1850 mm Dia	74" Dia	1700 mm Dia	75 mm	60 mm	500 mm
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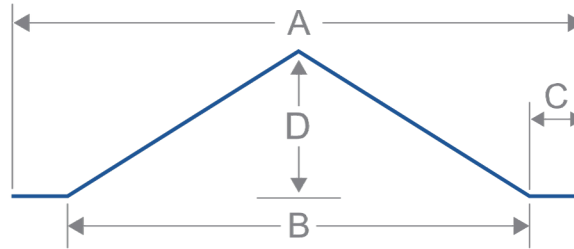


STEPPED FLANGE ROUND DOME

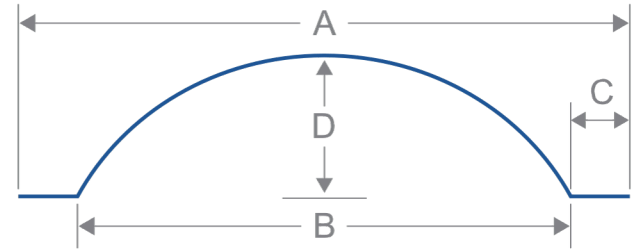


STEPPED FLANGE ROUND DOME SECTION

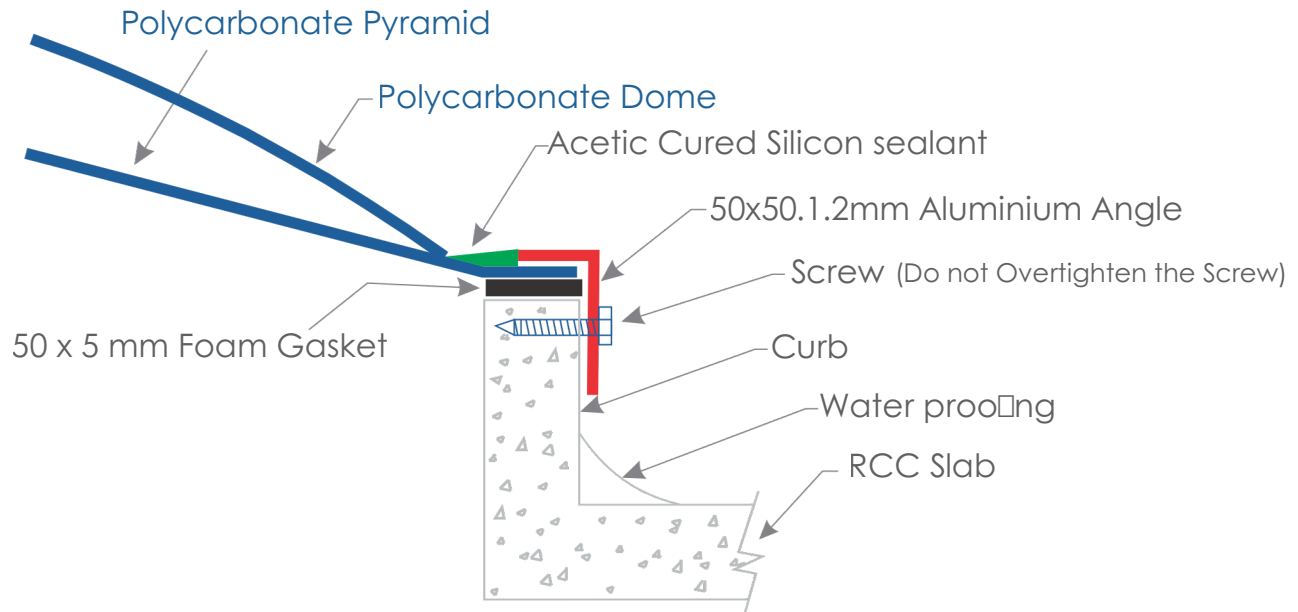
## When outer dimension of Curb Matches with Flat Flange Pyramid / Dome



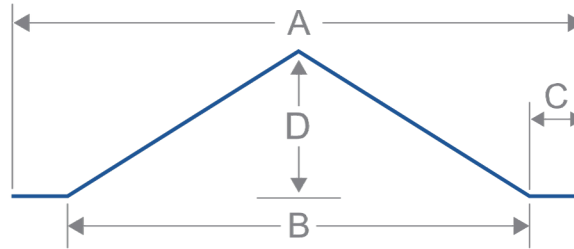
PYRAMID SECTION



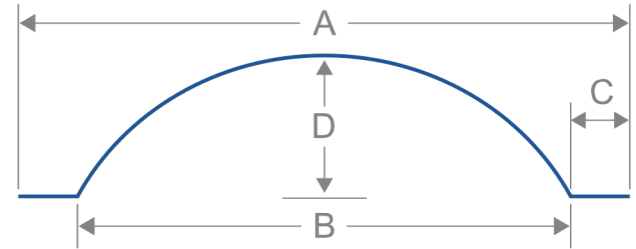
ROUND DOME SECTION



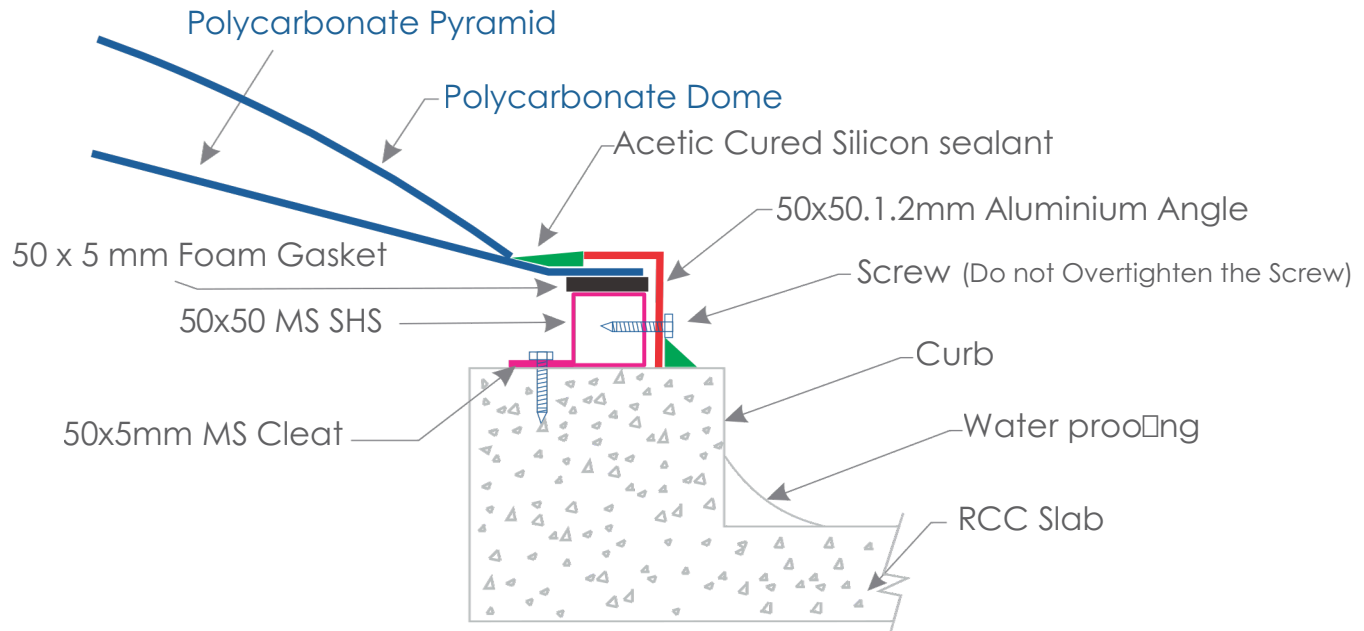
## When outer dimension of Curb **Does not Match** with Flat Flange Pyramid / Dome



PYRAMIDSECTION

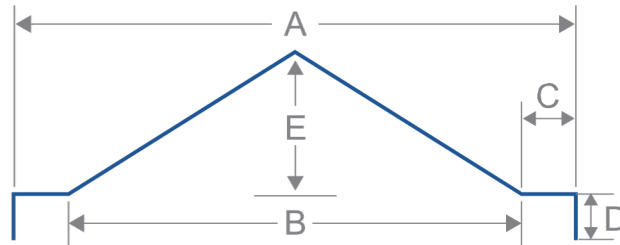


ROUND DOMESECTION

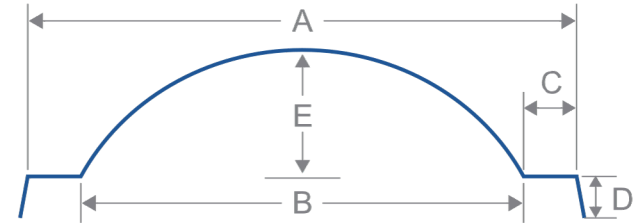




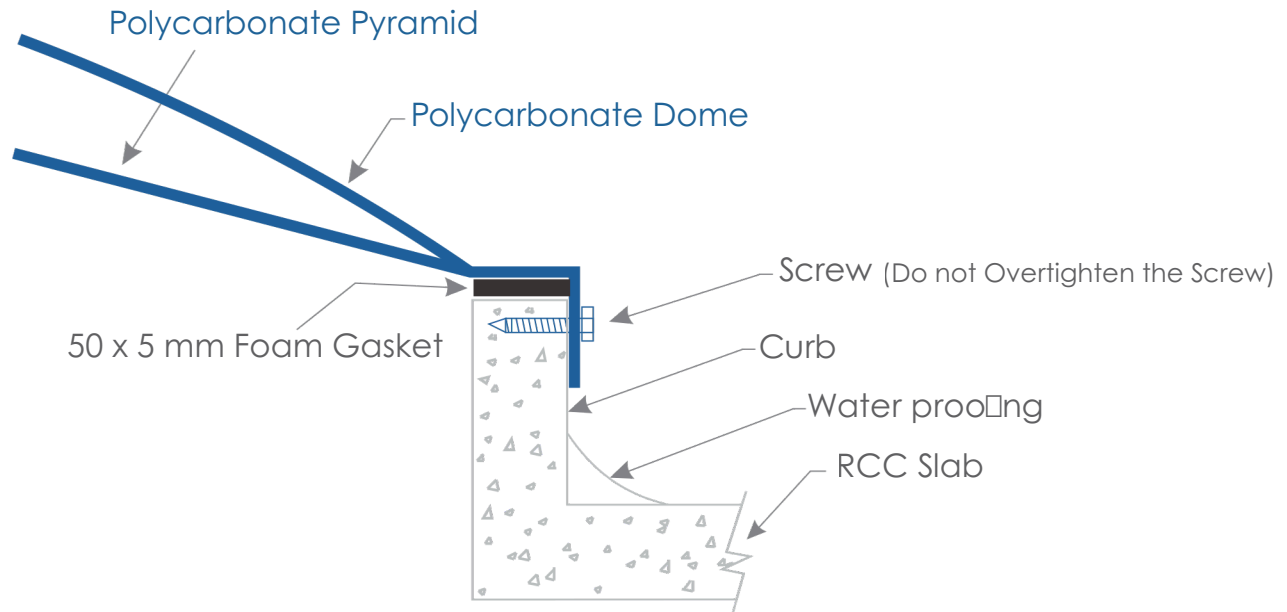
## When outer dimension of Curb Matches with Stepped Flange Pyramid / Dome



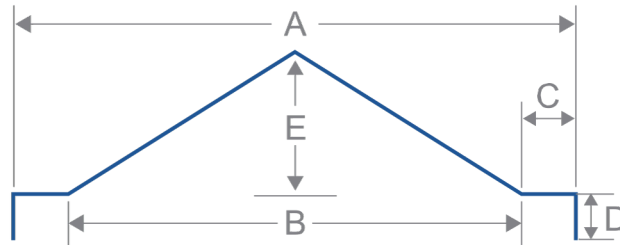
PYRAMIDSECTION



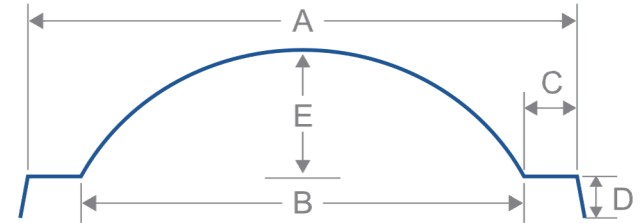
ROUND DOMESECTION



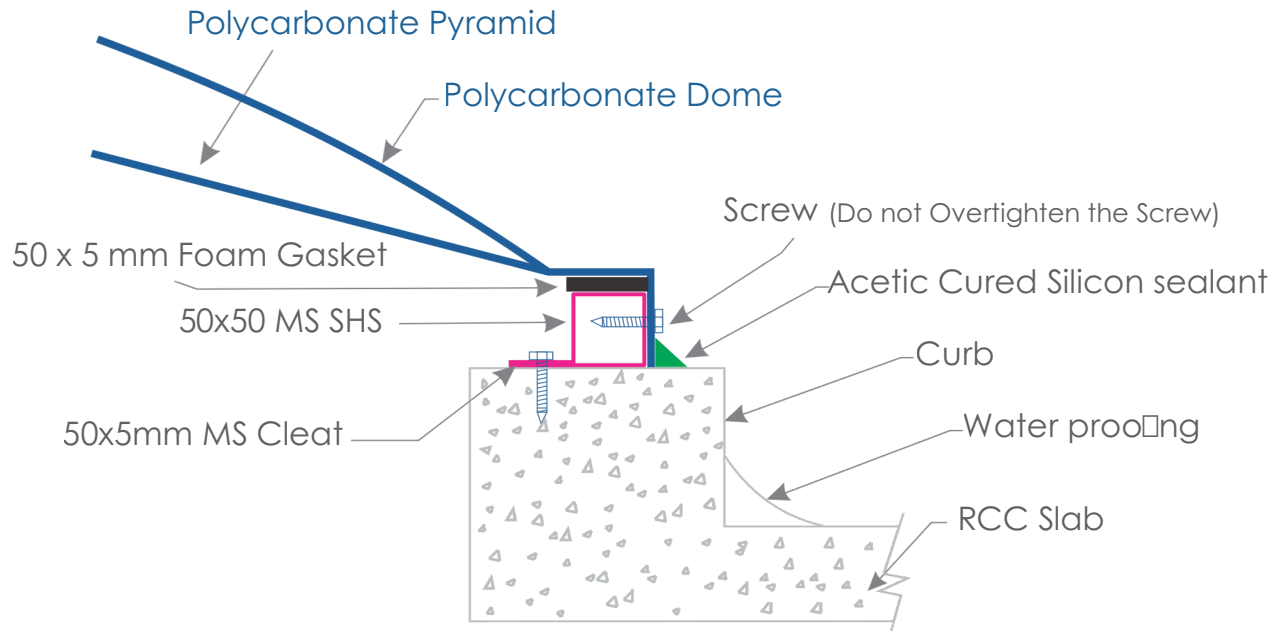
## When outer dimension of Curb **Does not Match** with Stepped Flange Pyramid / Dome



PYRAMIDSECTION



ROUND DOMESECTION





## Guide lines to Install & Maintain Polycarbonate Domes

INSTALLATION		
Points	Do's	Dont's
Handling	<ul style="list-style-type: none"><li>• Put Soft Foam layer between two Domes</li><li>• Limit Staking on each other up to 10 domes only</li><li>• Pack in wooden crates only</li><li>• Do not forget to mark FRAGILE &amp; THIS SIDE UP on packets</li></ul>	<ul style="list-style-type: none"><li>• Avoid hard objects to come in contact with.</li><li>• Avoid Rubbing of Domes with another Domes/objects.</li><li>• Avoid throwing free handedly.</li></ul>
Protective Film / Masking	<ul style="list-style-type: none"><li>• Keep the protective film / masking intact until the installation is done.</li></ul>	<ul style="list-style-type: none"><li>• Don't keep protective film/masking within 2 days of installation</li></ul>
Drilling	<ul style="list-style-type: none"><li>• Make at least 4mm oversize notch free compared to screw size by using drill machine.</li></ul>	<ul style="list-style-type: none"><li>• Avoid making hole with self drilling screw.</li></ul>
Washer & Rubber Gasket	<ul style="list-style-type: none"><li>• Put a strip of soft rubber (EPDM) in between RCC surface/ Metal Frame and dome.</li><li>• Use EPDM bonded SS washers.</li><li>• Ensure throughout base availability to the Dome flanges.</li></ul>	<ul style="list-style-type: none"><li>• Avoid direct contact of Domes with RCC / Metal surfaces</li><li>• Avoid any other messy fitting methods like tying with wires and hammering the nails.</li></ul>
Tightening of screw	<ul style="list-style-type: none"><li>• Tighten the screw up to gentle push limit only.</li></ul>	<ul style="list-style-type: none"><li>• Do not over tighten the screws.</li></ul>
MAINTENANCE		
Points	Do's	Dont's
Cleaning	<ul style="list-style-type: none"><li>• Remove dirt/dust by spraying tap water mixed with shampoo and wipe out by soft cloth.</li></ul>	<ul style="list-style-type: none"><li>• Do not scrub the dome with scrubbers/hard objects.</li><li>• Do not wash with any chemicals.</li></ul>
Sealing / Water proofing	<ul style="list-style-type: none"><li>• Use acetic cure transparent sealants of a reputed manufacturer only</li></ul>	<ul style="list-style-type: none"><li>• Avoid using conventional materials like cements/ M seals / Araldite / FRP coating for water proofing / sealing</li><li>• Avoid using chemicals / resins, might result in cracking / yellowing of domes</li></ul>









scan to chat



scan to reach us



Thermoformers private limited

 92745 07570  99096 06757 / 98250 67570  sales@hitech-products.com / hitechthermoformerspvtltd@gmail.com  
 Hi Tech Thermoformers private limited, 61- Navdurga Industrial Park, At & PO : Sankarda , Ta & Dist. Vadodadra, Gujarat - 391350