

Technical Data Sheet
Pentafoam 200

CFRTP PET Foam Panel

Items	Specification
1.Skin of two sides	
Structure	Veil(non-woven PET fabric)+XYX
UD tape used	GF60PP
Area weight of UD tape	400g/m2
UD tape thickness	0.20-0.25mm
Layers	3
Tape applied direction	0/90/0
Skin thickness	0.6-0.75mm
Area weight	About 1.28 kgs/m2
Colour	White
2. PET foam Core	
Material	PET-polyethylene terephthalate
Color	White
Density	12.48 lbs/ft3 (200 kgs/m3)
3. CFRTP panel	
Size	Width: max 110 inch(2800mm), Length: 45'
Thickness	1/2inch, 3/4 inch or as per requirments
Aare weight	1/2 and 3/4 inch: 1.23/1.43lbs/ft2 (6.0/7.0 kgs/m2)
5.Mechanical Property	
Compressive strength	580 psi (4.0mpa) min
Compressive modulus Ef	10000 psi(70 mpa) min
Max compressive Force	2248 lbs (10000N)min
Bending strength	2610 psi (18 mpa) min
Bending modulus Ef	58000 psi (400mpa) min
Max loading Force	520 lbs (2300 N) min
CNC Cut to size	Available
6.Others	
Fire test: FMASS 302 approved	
Insulation K=0.031W/M.K	
R value=3.287	
10# Screw retention:	
3/4" thick, 340lbs/2 skins, 220lbs/1skin	
365lbs/PP filled 2skins	
310lbs/PP filled 1skin	

