



TRANQUIL
ECOCORE
PET Panels Acoustical Systems

Tranquil Ecocore is made of 100% PET fiber, bonded using heat instead of traditional chemical binders. PET is naturally resistant to fire, moisture, vermin, insects, mould and bacteria, eliminating the need for any chemical additives. Tranquil Ecocore Panels are also used as a pin board that comes in a high-quality finish. These panels not only serve as acoustic panels but also as thermal insulations. They are recyclable and recycled. These can be installed as bare panels or if required as fabric wrapped panels.

Technical Specification

- ▶ Thickness: 9mm, 12mm and 25mm
- ▶ Maximum dimensions : L-2.44m W-1.22m
- ▶ Density Kg/m³ (+/- 10%): 9mm: 200 Kg, 12mm: 190 Kg, 25mm: 120 Kg
- ▶ Composition: 100% Polyester Core
- ▶ Edges : Square / Bevelled/ Mitre
- ▶ Warranty: Warranted against workmanship and manufacturing defects for 2 years from date of purchase
- ▶ Fire Rating: Class "A" and Class "B" as per ASTM E - 84 Tunnel Test
- ▶ Mounting Method: Glued to the wall with or without air gap using adhesive.

Performance (Without Gap) - 9mm							
Frequency	125	250	500	1000	2000	4000	NRC
Absorption co-efficients	0.01	0.04	0.12	0.33	0.62	0.76	0.30
Performance (Without Gap) - 12mm							
Frequency	125	250	500	1000	2000	4000	NRC
Absorption co-efficients	0.03	0.06	0.22	0.48	0.74	0.80	0.40
Performance (Without Gap) - 25mm							
Frequency	125	250	500	1000	2000	4000	NRC
Absorption co-efficients	0.09	0.27	0.65	0.97	0.92	0.87	0.70