

# NEO PANEL™

Green prefab system

Multisystem innovative Technology  
PET Foam core + COMPOSITE Skins

Perfect for Extra Large walls and roofs  
Industrial, Agriculture, Logistics and Public Buildings

#### HIGHLY DURABLE

Sustains shape & dimensions (low thermal expansion)  
Strong bonding between the skins and the core.  
High resistance to wear & fractures.

#### HIGH THERMAL RESISTANCE

Long Life-Cycle with no loss of thermal insulation  
At 80 mm (3.15 inches) 16.5 R value

#### HERMETICALLY SEALED

#### THERMAL & ACOUSTIC ISOLATION

Precision computer-guided cut out.  
Fully adjustable to assemble elements  
(Doors, windows, wiring, plumbing, ventilation, etc.)

#### FAST & EASY ASSEMBLY

Lightweight & Extra-Large panel.  
Panel size (for transport reasons)  
Up to 11.95m X 2.55m (39 ft. x 8.4 ft.)

#### UV BLOCKER

99% UV Blocker extends life cycles and  
resists brittling, fading and yellowing.

#### HEALTHIER

Easy to clean and maintain.  
Non Corrosive / Non Toxic.  
Fungi, Mold, Termite & Rodents resistant  
Sound dampening  
Steam sterilizable to 120C<sup>0</sup> (248F<sup>0</sup>)

#### SKIN - Reinforced COMPOSITE glass PP

Unique array of properties, the cutting edge of development of composite laminated materials & technologies, engineered to meet the needs of highest-end requirements for aggressive working environments like trucks' flooring, scaffolding and skins for sandwich panels, Air and Sea containers, and more.

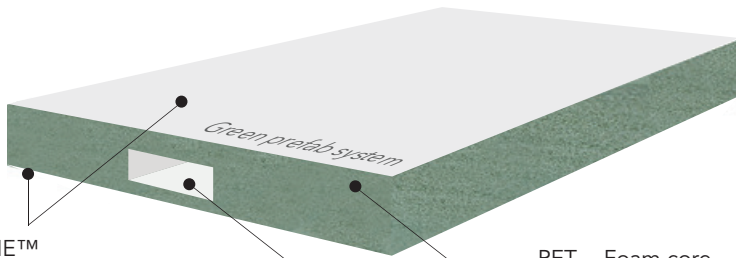
#### Technical Property

Density (Kg/dm <sup>3</sup> )	1.55 (lb./ft <sup>3</sup> 96.76)
Heat deflection temperature (c <sup>o</sup> )	155 (f <sup>o</sup> 311)
Service temperature (c <sup>o</sup> )	-40 to +110 (f <sup>o</sup> -40 to +230)
Impact strength (J)*	150 - 360
Elongation at yield (%)*	3.5
Tensile modulus of elasticity (GPa)	17 in both (X/Y)
Tensile strength in both directions (X/Y)	>> 350 MPa

#### FOAM CORE - PET

#### Technical properties

Thermal conductivity:	0,027 - 0,028 W/m.K
Compression strength:	ISO 844 0.2 MPa
Shear strength:	ISO 1922 0.3 MPa
Shear modulus:	ISO 1922 5.0 MPa
Shear elongation:	ISO 1922 15.0 %
Density:	65 kg/m <sup>3</sup> (4.05 lb./ft <sup>3</sup> )
NEO PANEL - PET foam are CFC / HFC free	
<b>Max width up to 80mm (3.15 inches)</b>	



EXTREME™ composite skins + UV protective film

Conduit -Ducts Array

PET - Foam core  
Polyethylene Terephthalate



100% Recyclable

Durable

Outdoor & Indoor

Light Weight

Cladding & Surfaces

Big Size

Maintenance Free

UL94 V-0

Acoustic Resistant

Thermal Resistant

Non Toxic

Chemical Resistant

Water Resistant

Rodents Resistant

Bug & Termite Resistant

Mildew Resistant

**NEO**  
COMPOSITE

www.neocomposite.com  
From innovation to mass production