TigerPROFILES & Insulation—The "Roof & Cladding" Company

TigerPROFILES & Insulation, the "Roof & Cladding" company is a comprehensive source to the construction industry's Roofing, Cladding & Insulation solutions.

Established in the UAE in 1993 as the "cladding" arm of the Tiger Steel Group of Companies, **Tiger**PROFILES, operates three plants/factories that serve the GCC, Middle East, Asia & Africa's need for its specialized products and systems.

The product line presented by **Tiger**PROFILES encompasses roof panels, wall panels, floor deck panels, steel & aluminum profiled sheeting, partitioning, sandwich panels, concealed fix wall panels, pre-insulated partitions, cold store panels, standing seam systems (known as T-Seam®), & cold formed sections both standard & customer specific as well as all the required accessories.

TigerPROFILES extends Design, Engineering, Manufacturing, Supply & Installation services to its clients, thus placing it in a position to serve its clients as a one stop-source.

In parallel, **Tiger**PROFILES is the sole distributor – Middle East, Asia & Africa for SolaCoat & SolaSteel triple award winning eco-friendly "green" heat reflecting coatings.

TigerPROFILES is classified as one of the largest producers in the UAE & a regional & major manufacturer of PUR/PIR/Mineral wool insulated panels.

Standing tall, **Tiger**PROFILES has raised itself from the crush of the crowd by setting international standards that set it apart from any other companies in the business.

Adhering to ISO 9001, ISO 14001 ,OHSAS 18001, FM Approvals (USA), DBIT Approvals (Germany) as well as Dubai Municipality & Dubai Civil Defense is only the tip of the commitment to international standards by **Tiger**PROFILES' management.

Its commitment to the Environment is loud & clear – an active member of the Emirates Environmental Group, **Tiger**PROFILES not only works on protecting the environment, but also works on caring, cleaning & maintaining it.

TigerPROFILES is a member of the US Green Building Council & the Green Aviation & Logistics Group.

Material Specifications

> **Material:**
- o Indoor application: Outer Skin: 0.08 mm thick Aluminum
- o Outdoor application: Outer skin up to 0.5 mm thick Aluminum
- o Inner Skin (Indoor or outdoor application): 0.08 mm thick Aluminum

> **Material:**
- o Mill Finish
- o Stucco Embossed

Insulation

> **Rigid Polyisocyanurate Foam (PIR):** with 90% minimum closed cells (fire retardant quality avail To be deleted

Available in thicknesses of 20mm to 20mm thick, with density of 45 to 48 Kg/m3 density.

Higher thickness can be considered on client request and depending on quantity.

Pre-Insulated Ventilation Ducts

TigerPROFILES & Insulation, manufactures a range of pre-insulated ventilation ducts that conform to a range of international standards including ASTM, ANSI, British standards & European Norms.

The benefits of using the pre-insulated ducts manufactured by **Tiger**PROFILES include:

> Economical & cost effective.

> Light weight resulting in reduced dead weight for any construction.

> Faster pace of construction due to ease in handling, workability & Joineries.

> Improves thermal efficiency, minimizing losses due to leakages & reduced running cost of power.

> Pre insulated ducting system is free from crevices and fissures and hence more hygienic. It offers no scope for development of germs & microbes.

> The ducting can be painted to match the color scheme of main construction if required.

Insulation C Details

The Pre-Insulated Ventilation Ducts produced by **Tiger**PROFILES are available in a range of dimensions and for multiple uses. The pre-insulated ducts are produced with the following specifications:

All should be White

Characteristic	Test Method	Unit	Typical Value	Comments
Length	BS EN 822	mm	4,000	2,000 to 15,000
Width	BS EN 822	mm	1,200	-
Thickness	BS EN 823	mm	20	-
Apparent Core density	BS EN 1602 ASTM C271	kg/m^3	45	Minimum
Thermal conductivity, 10 °C	BS EN 12667 ASTM C518	W/Km	0.0215	Maximum
Compressive Strength, ndicular to facings	BS EN 826	KPa	150	Minimum
Dimensional Stability	BS EN 1604	Max deformation Δl%	-	Test Condition
Length	-	-	2	(48±1)h at (70±2)ºC ; RH=(90±5)%
Width	-	-	2	-
Thickness	-	-	6	-
Length	-	-	1	(48±1)h at (-20±3)ºC
Width	-	-	1	-
Thickness	-	-	2	-
Reaction to Fire Classification	DIN 4102	N/A	B2	Minimum