



CTF-VIP is a flat vacuum insulated panel, composed of an A1 calcium silicate core encapsulated with aluminium foil. CTF-VIP can be used in conjunction with other insulation products for use in both warm and inverted roof applications with any suitable waterproofing system. The CTF-VIP can also be incorporated into flooring and wall applications. Subject to design, the product's robust environmental credentials, high compressive strength and dimensional stability make this product ideal for these applications.

Technical Data

Thermal conductivity	Aged	0.007W/m ² K	EN 13163
Compressive strength	@10%c	186kpa	EN 826
Vapour diffusion resistance	μ	30-70	EN 13163
Length	Up to	900mm	NDP
Width	From	600-100mm	NDP
Thickness	From	10-50mm	NDP
Resistance to chemicals		Excellent	NDP
Reaction to fire	C-s1,d0	Combustible	EN 13501

Features

- CFC, HFC and HCFC free
- Ozone Depletion Potential "ODP" zero
- Global Warming potential "GWP" <5
- Easy handling and installation

Storage & Handling

CTF-VIP boards are lightweight and easy to handle. Material should be stored on pallets or skids ideally under cover internally or failing that, on a level surface, suitably covered with waterproof tarpaulin to prevent prolonged exposure to sunlight. The pallets/ skids should be secured to prevent movement or damage. Care must be taken to avoid contact with solvents and materials containing organic components.

Installation & Fixing

All roof dimensions, position of rainwater outlets and any obstructions must be checked against the appropriate design drawing supplied. Insulation boards should be installed over a suitable vapour control layer for warm roof application or waterproofing system when used in an inverted roof application.

The design drawing supplied should be followed to lay CTF-VIP boards from setting out points noted, generally laying as instructed.

The boards can be fully bonded with CTF Adhesive or ballasted in the case of inverted roof application. CTF-VIP insulation boards cannot be cut or punctured and under no circumstances should be mechanically fixed.

Only install areas of insulation system which can be covered to ensure they remain dry. Insulation must be always protected from the ingress of water; night joints should be installed to prevent this. Appropriate stop battens should be installed to protect insulation boards' open edges during installation.

Protection

Adequate temporary protection must be provided above the installed insulation system especially where any of the following occur:

- Unloading materials onto roof
- Temporary walkways and access
- Storing materials on roof
- Or any other activity that can cause damage to the system

Under no circumstances should the system be used as a working platform including skips, scaffolding or other trades material storage unconnected to the roofing works.

