

CTF-11 is a hybrid system consisting of a tapered/ flat CTF-10 (cellular glass) board with a flat CTF-FS1 (cement board) board overlay, used in warm and inverted roof applications to create drainage falls (from 1:240 – 1:40) under any fully bonded suitable waterproofing system. The product’s robust environmental credentials, very high compressive strength and dimensional stability make this product ideal in a variety of applications.

Technical Data

CTF-10 Tapered/Flat

Reaction to fire		A1	EN 13501-1
Thermal conductivity	@ 10%c	0.036 W/m ² K	EN 10456
Density	+/-10%	100kg/m ³	EN 1602
Compressive	@10% deformation	500kpa	EN 826
Compressive creep		CC (1.5/1/50) 225	EN 1606
Length	600mm – 1200mm	+/-5mm	EN 823
Width	450mm - 600mm	+/- 2mm	EN 823
Thickness	30mm – 200mm	+/- 2mm	EN 8223
Vapour resistance		$\mu = \infty$	EN 10456
Hygroscopicity		Xero	

CTF-FS1 Flat

Reaction to fire	Euroclass rating	A1	EN 13501
Thermal conductivity	6-10mm	0.244W/m ² K	EN 12667
Density	@10%c	1300kg/m ³	EN 12667
Vapour permeability		Pass	EN 12667
General board size	1200mm	600mm	EN 13165
	1200mm	2400mm	EN 13165
Board thickness	6mm-10mm		EN 13165
Heat resistance		Pass	EN 12467
Water absorption		<35%	EN 12467
Freeze / thaw resistance		Pass	EN 12467

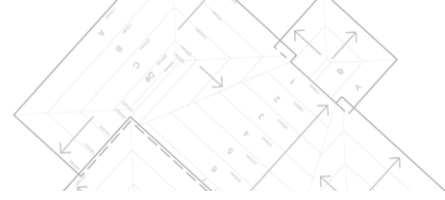
Features

- CFC, HFC and HCFC free
- Ozone Depletion Potential “ODP” zero
- Global Warming potential “GWP” <5
- BRE Green Guide A (System dependant)

Storage & Handling

CTF-11 boards 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. The products must not be exposed to open flame or other ignition sources. 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.

The design drawing supplied should be followed to lay CTF-11 flat and tapered boards from *setting out points* noted, generally laying towards low points unless otherwise instructed.

The boards can be either mechanically fixed with thermally broken fixings or fully bonded with CTF-PU1 adhesive. Gutters and sumps should be cut on site to suitable dimensions.

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.

