



**CTF-05** is non-combustible, class A1 rated, stone wool uniform and tapered insulation used in warm roof applications under suitable waterproofing system. Drainage falls (from 1:240-1:40) can be easily created. The insulation provides excellent thermal and acoustic performance.

## Technical Data

Reaction to fire		A1	EN 13501-1
Thermal conductivity	@10% <i>c</i>	0.039W/m <sup>2</sup> K	EN 12667
R-value	@10% <i>c</i>	2.9m <sup>2</sup> k/W	EN 12667
Density	+/-10%	160-200kg/m <sup>3</sup>	EN 1602
Compressive strength	@10%deformation	60kpa-80kpa	EN 826
Behaviour	Under point load	500N	EN 12430
Tensile	perpendicular to face	10kpa	EN 1607
Length	600mm-1200mm	+/-2%	EN 822
Width	1000mm-1800mm	+/- 1.5%	EN 822
Thickness (mm)	30mm-120mm	-3%+5%	EN 8223
Vapour transmission		MU1	EN 12086
Water absorption	1gm/m <sup>2</sup> max	NPD	EN 1609

## Features

- A1 non combustible
- CFC, HFC and HCFC free
- Ozone Depletion Potential "ODP" zero
- Global Warming potential "GWP" <5
- BRE Green Guide A rating (system dependant)

## 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-05 flat and/ or 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.

Damaged or wet insulation boards should not be used. In this instance, material should be replaced.

## Storage & Handling

CTF-05 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 the elements. 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.

## 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.

