



**CTF-FS1** is a non-combustible, reinforced cement particle board, used as an overlay to other CTF insulation systems in warm and inverted roof applications to provide an extremely robust, load bearing surface for fully bonded, mechanically fixed and ballasted waterproofing systems.

## Technical Data

Reaction to fire	Euroclass rating	A1	EN 13501
Thermal conductivity	@10%c	0.244W/m <sup>2</sup> K	EN 12667
Density		1300kg/m <sup>3</sup>	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
- Non combustible

## Storage & Handling

CTF-FS1 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 mechanical and water damage. The pallets/ skids should be secured to prevent movement or damage. Boards that have been allowed to get wet should not be used.

## Installation & Fixing

All roof dimensions, position of rainwater outlets and any obstructions must be checked against the appropriate design drawing supplied. We recommend boards should be installed in a brick bond pattern over the insulation system.

The boards can be either mechanically fixed with thermally broken fixings, fully bonded with CTF-PU1 adhesive, or ballasted.

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.

