



VITCAS® CS – CONSTRUCTION BOARD

TDS7-1

A strong, self-supporting but lightweight board with very low thermal conductivity for use in high temperature construction projects.

Applications

Used to construct fireplaces and tiled stoves without additional frame work where there is no pre-existing chimney breast, in the centre of a wall or in the corner of a room.

Technical Data

Classification Temperature		1000°C / 1830 °F
Colour		Grey
Fire Class BS476-3 / EN 13501-1		A1
Chemical Analysis (%)		
	Al ₂ O ₃	0.2
	SiO ₂	45.0
	ZrO ₂	-
	Fe ₂ O ₃	0.2
	Cr ₂ O ₃	-
	TiO ₂	-
	CaO + MgO	46.0
	Na ₂ O+ K ₂ O	0.3
Bulk Density	kg/m³	225
	lb/ft³	14
Thermal Conductivity (W/mK)	400°C / 750°F	0.10
	600°C / 1110°F	0.12
	800°C / 1470°F	0.14
	1000°C / 1830°F	0.16
Permanent Linear Change after firing for 24 hours	1000°C / 1830°F	<1%

Installation.

Fireplace boards can be easily processed with conventional woodworking tools and can be fixed with screws. The edges of the board can be treated with Board Adhesive Hardener and sealed together with VITCAS Board Adhesive 1300°C.

Fireplace Board can be sealed with Vitcas PVA Adhesive Sealer and skimmed with Vitcas Heat Resistant Plaster.

