

# 18mm & 22mm STS Construction Board TG4

1200mm x 600mm = 0.72m<sup>2</sup>

## Technical Specification

### General information

Description: The STS Construction Board TG4 is used for installing floor substrates on metal or timber structures. The boards can safely resist the efforts generated by temporary and permanent loads. Any type of floor can be installed on them. They have tongue and groove joint edges that guarantee the mechanical joint between boards.

### Product components

Portland cement, cellulose fibres, sand, water and other minor aggregates. The boards fulfill the requirements of resistance, safety, and durability required in the construction of buildings, as well as the most stringent environmental regulations. When exposed to moisture, the STS Construction Board TG4 doesn't change shape, rot or expand like chipboard, plywood and other timber-based materials. Fully compatible with most types of tile adhesives, timber adhesives such as MS polymers, PU Acrylic, etc. Accepts ceramic tiles, timber flooring, etc. Please contact our technical department for further compatibility information.

### Storage

STS recommends that boards are stored and handled in a manner to prevent deterioration and damage. The product should be protected from atmospheric actions, excessive humidity and temperature changes, such as rain, sun, winds and moisture. STS boards must always be stored flat. If boards are stored outside they must always be fully covered with a waterproof tarpaulin.

### Acclimatisation

STS Construction Board TG4 must be protected from moisture and weather prior to installation. Although they will not deteriorate after installation even if subject to adverse weather conditions, it is recommended that if this is likely to happen, a coat of waterproof primer such as SBR will reduce moisture ingress. Before the final finish is laid, boards should be thoroughly cleaned and allowed to acclimatise to the final ambient temperature and moisture conditions of the building. If piped underfloor heating is installed this can be turned on to assist with acclimatisation.

Description	Minimum Value	Maximum Value
Flexural strength - dry (N/mm <sup>2</sup> ) ISO 8336	7.0	
Elastic module - dry (kN/mm <sup>2</sup> ) ISO 8336	2.5	4.0
Density (kg/m <sup>3</sup> ) ISO 8336	1,125	1,300
Moisture (%) ISO 8336		10
Total absorption (%) ISO 8336		40
Superficial absorption (%) ISO 8336		25
Moisture movement (mm/m) ISO 8336		1.3
Total contraction (mm/m) Own procedure		4.0
Smoke development (ASTM E - 84)		0
Flame spread (ASTM E - 84)		Class A1

	Tolerance		
Thickness	22mm	18mm	± 5%
Width	600mm	600mm	± 1-2%
Length	1200mm	1200mm	± 1-2%
Weight	24.85kg	18.85kg	-
Covering per unit (m <sup>2</sup> )	0.72m <sup>2</sup>	0.72m <sup>2</sup>	-



**STS**

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