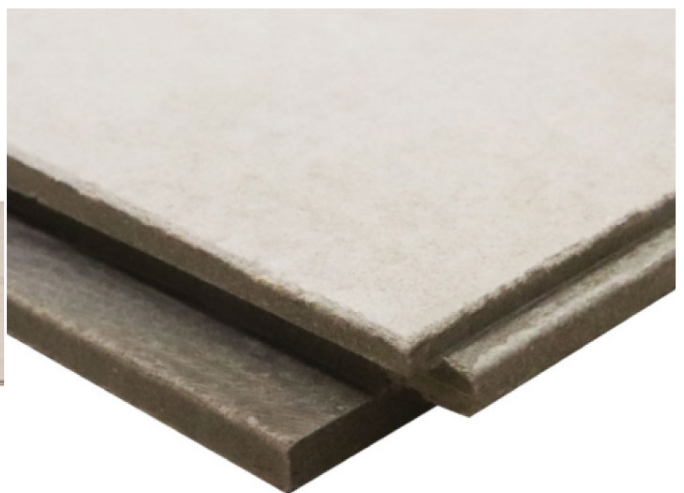


STS TG4 Board Product Data

- Description:** A load-bearing, cement particle board for the improvement of airborne noise in flooring systems. Suitable for retro-fits and new builds.
- Dimensions:** 1200mm x 600mm x (18mm / 22mm)
- Mass:** 18.8kg / 24.8kg
- Features and Benefits:**
- Direct to Joist** - Can be used direct to joists saving on build up height, additional materials, installation time and cost.
 - A1 Fire Rated** - STS TG4 boards have achieved a fire rating of A1
 - Water Resistant** - Great for use in most applications including garden rooms.
 - Great Thermal Mass** - Suitable for use with a wide range of underfloor heating systems.
 - T&G on all Sides** - Reduces wastage and improves strength and durability.
 - Part E Compliant** - When installed correctly as a system, meets or exceeds Part E of Building Regulations.
 - Direct Swap** - Can be used as a direct replacement for traditional structural floor board products while increasing acoustic performance.
 - 100% Recyclable** - Can be fully recycled after use or upon removal.



STS TG4 Board Product Data

Typical Physical Properties:

Attribute and Test Method:	Specification: (Based on typical performance)
Product Format	Sheets (0.72m ²)
Density	>1232kg/m ³ (18mm) >1242kg/m ³ (22mm)
Nominal Weight Standard Manufacturing tolerances are +/- 5%	18.8kg (18mm) 24.8kg (22mm)
Nominal Dimension Standard Manufacturing tolerances are +/- 1mm	1200mm x 600mm
Nominal Thickness Standard Manufacturing tolerances are +/- 5%	18mm 22mm
Modulus of Rupture EMC - Min	11.71 (18mm) 10.91 (22mm)
Free Moisture Content	6%
Water Absorption Submersion - After 22 Hrs	36%
Lamina Bond Strength	0.9 MPa / N/mm ²
Thermal Conductivity (K) 30° Mean Temperature	0.172 W/M .k
pH Value	10.4
U Value	0.1047 Wm ² K (18mm) 0.1279 Wm ² K (22mm)
Fire Rating	Class A1
Compressive Strength Min Requirement 30 MPa or N/mm ²	37.7 (18mm) 39.2 (22mm)

Sustainability and Recycling:

Here at iKoustic we are committed to reducing our environmental impact, using recycled materials wherever possible within our products. The STS TG4 product is 100% recyclable at end of life.