



A1 FIRE
RATED



WATER
RESISTANT



SOUND
PROOF



STS 22mm FloorBoards

A defence against **Fire, Water and Noise/Sound**

BUILDING BETTER



A1
FIRE RATED



WATER
RESISTANT



TONGUE
& GROOVE



FIX DIRECT
TO JOIST



WEATHER
PROOF



100%
RECYCLABLE



Professionals choose **STS 22mm FloorBoards** for speed of fixing and peace of mind

A1 Fire Rated

STS 22mm FloorBoards are the only boards you need for fire protection. They replace multiple boards and reduce fixing time.

Water Resistant

Use STS 22mm FloorBoards for internal and external projects. These are boards that the weather can't damage on site, providing you a flexible building schedule.

No Squeaks

Denser than chipboard, STS 22mm FloorBoards are robust and with tongue and groove edges, are less likely to generate squeaks and customer callbacks.

Easy to handle

STS 22mm FloorBoards are available in 2400mm x 500mm sheets. Boards should always be carried on their edge to avoid unnecessary strain during handling.

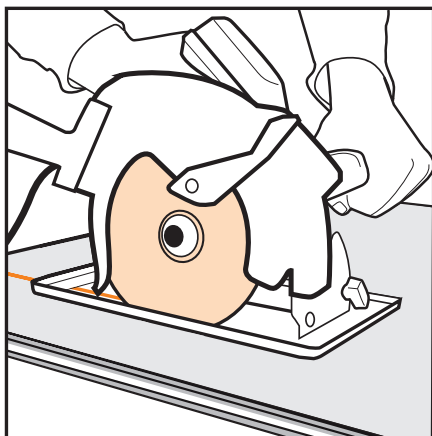
Quick to fix

Fix STS 22mm FloorBoards direct to joists using STS Mega Strength adhesive and 50mm floor screws. Cutting boards is easy with reduced dust using an STS PCD saw blade.

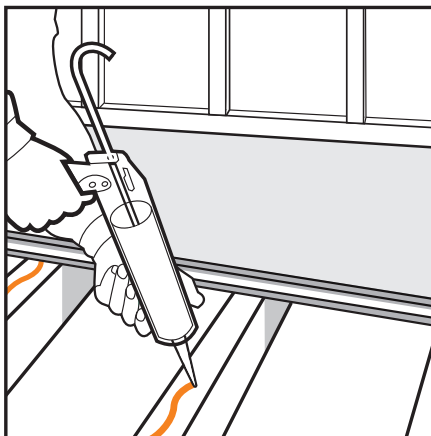


STS 22mm FloorBoard Installation

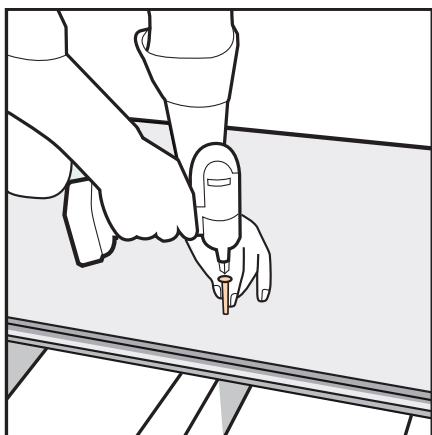
1. Cut boards to size



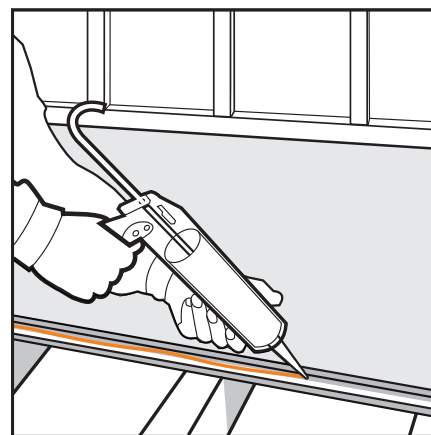
2. Stick board to joists



3. Screw board to joists



4. Seal between boards



STS 22mm FloorBoards

Cut STS 22mm FloorBoards using a circular saw fixed with vacuum extractor and an STS PCD saw blade. This method will cut boards easily and mitigate dust.

STS 22mm FloorBoards can be fixed to timber or steel joists installed at maximum 600mm centres.

To achieve an acceptable finish, it is important that floor joists are level.

Apply a bead of STS Mega Strength adhesive to the joist, then position the first floor board.

Secure with 12 x 50mm STS floor screws, placed a minimum of 12mm from the square edge and 5mm from the side of the joist.

Ensure screws are placed a minimum distance of 25mm from the tongue and groove edge.

STS 22mm FloorBoards should be laid out in a brick bond pattern. All short, square edges should be fully supported.

Secure subsequent 22mm FloorBoards by applying MegaStrength along the length of the board's groove, before inserting the tongue of the next board.

Clean off any surplus adhesive with a damp cloth.

STS 22mm FloorBoards are ready to tile or install other surface finish immediately.



Cut it



Stick it



Screw it

22mm Technical Data

Full Size (22mm x 500mm x 2400mm)
Half Size (22mm x 500mm x 1200mm)

General information

Code and trade name: 5616 STS 22mm x 500mm x 2400mm

Description: The 22mm STS Tongue and Groove panels are used for installing floor substrates on metal or timber structures. They 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 panels.

Product components

Portland cement, calcium carbonate, cellulose fibers, and other minor aggregates. The panels 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 T & G 22mm 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 the board be 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 22mm boards must always be stored flat. If boards are stored outside they must always be fully covered with a waterproof tarpaulin.

Acclimatisation

STS 22mm boards must be protected from moisture & weather prior to installation. Although 22mm 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 22mm boards should be thoroughly cleaned & allowed to acclimatize to the final ambient temperature & moisture conditions of the building. If piped underfloor heating is installed this can be turned on to assist with acclimatization.

Manufacture and Quality Control

STS panels are manufactured at facilities certified with the ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2009 standards. The STS panels are Type A, Grade I according to the ASTM C 1186-08 (2012) standard and Category A Class 1 Level 1 according to the INTE/ISO 8336:2011

Other Features

Weight (kg/unit)	29
Covering per unit (m ²)	1.2

Technical Specifications

Description	Minimum Value	Maximum Value
Flexural strength - dry (N/mm ²) ISO 8336	7.0	
Elastic module - dry (kN/mm ²) ISO 8336	2.5	4.0
Density (kg/m ³) 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)	0 - Class 1	

Nominal Dimensions

Dimension	SKU: 5616	SKU: 5625	Tolerance
Thickness	22mm	22mm	± 5%
Width	500mm	500mm	± 1- 2%
Length	2400mm	1200mm	± 1- 2%
Diagonal	2452mm	1300mm	± 1- 2%

Advantages

- Can be cut, sanded, nailed, drilled, and screwed with conventional tools
- Provide insulation to noise & heat
- Accept any type of finishing
- Moisture resistant
- Fungi resistant
- Fire resistant
- 100% recyclable

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