22mm Technical Data (22mm x 500mm x 2400mm)

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. The STS panels are treated with a water-repellent that keeps permeability to water vapor.

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)	31.6
Covering per unit (m2)	1.2

Technical Specifications

Description	Minimum Value	Minimum Value
Flexural strength - dry (N/mm2) ISO 8336	7.0	4.0
Elastic module - dry (kN/mm2) ISO 8336	2.5	1.2
Density (kg/dm3) ISO 8336	1.0	10.0
Moisture (%) ISO 8336		40
Total absorption (%) ISO 8336		25
Superficial absorption (%) ISO 8336		1.3
Moisture movement (mm/m) ISO 8336		4.0
Total contraction (mm/m) Own procedure		3.0
Water absorption Karsten (ml/24h) Exposed side Own procedure		
Smoke development (ASTM E - 84)	0	
Flame spread (ASTM E - 84)	0	

Nominal Dimensions

Dimension	Measurement	Tolerance
Thickness	22mm	± 0.6 mm
Width	500mm	± 1.0 mm
Length	2400mm	± 2.0 mm
Diagonal	2452mm	± 2.0 mm

Advantages

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