

Taishi® Sandwich Panel Core Stone Wool

TSX Series

High-density perpendicular-fiber stone wool strips as core for fire-rated sandwich panels. Tensile strength ≥ 80 kPa for composite board production lines.

SPECIFICATION MODELS

MODEL	DENSITY (KG/M ³)	THICKNESS (MM)	SIZE (MM)
TSX80	80	30-200	1200×150
TSX100	100	30-200	1200×150
TSX120	120	30-200	1200×150
TSX140	140	30-200	1200×150

Other specifications can be customized according to customer requirements.

TECHNICAL PARAMETERS

PROPERTY	UNIT	TSX80	TSX100	TSX120	TSX140	STANDARD
Density	kg/m ³	80	100	120	140	—
Compressive Resistance (10%)	kPa	≥ 40	≥ 40	≥ 40	≥ 40	GB/T19686
Tensile Strength	kPa	≥ 100	≥ 100	≥ 100	≥ 100	GB/T19686
Thermal Conductivity	W/(m·K)	≤ 0.048	≤ 0.048	≤ 0.048	≤ 0.048	GB/T19686
Combustion Class		A	A	A	A	GB/T19686
Hydrophobic Rate	%	≥ 98	≥ 98	≥ 98	≥ 98	GB/T19686
Acidity Coefficient		≥ 1.6	≥ 1.6	≥ 1.6	≥ 1.6	GB/T19686
Moisture Absorption by Mass	%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	GB/T19686
Short-term Water Absorption (24h)	kg/m ²	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	GB/T19686
Dimensional Stability	%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	GB/T8811
Thickness Deviation	mm	± 2	± 2	± 2	± 2	GB/T19686
Right Angle Deviation	mm/m	≤ 5	≤ 5	≤ 5	≤ 5	GB/T5480
Planeness	mm	≤ 6	≤ 6	≤ 6	≤ 6	GB/T25975

APPLICATIONS

- Decorative insulation composite panel
- Composite board systems
- Clean room purification panels
- Color steel sandwich panel core

FEATURES

- Tensile strength ≥ 80 kPa
- Class A fire resistant
- Hydrophobic treatment
- Multi-format composite use

PACKAGING & STORAGE

Products are packaged in polyethylene heat-shrinkable film for convenient construction, transportation and storage. Store in a dry, ventilated area or cover with waterproof draping during outdoor storage. Avoid prolonged exposure to rain or direct sunlight.

The above data is for reference only. Stone Wool Supply reserves the right to improve product performance with advances in production equipment and technology. Contact us for the latest specifications. This document does not constitute a warranty or guarantee of performance.