

Taishi® Roof Insulation Board

TSW Series

Stone wool board for flat, flexible, and metal roof systems. Compressive strength up to 80 kPa with point load capacity for walkable roofs.

SPECIFICATION MODELS

MODEL	DENSITY (KG/M ³)	THICKNESS (MM)	SIZE (MM)
TSW40	40	30-200	1200×600
TSW60	60	30-200	1200×600
TSW80	80	30-200	1200×600

Other specifications can be customized according to customer requirements.

TECHNICAL PARAMETERS

PROPERTY	UNIT	TSW40	TSW60	TSW80	STANDARD
Compressive Resistance (10%)	kPa	≥40	≥60	≥80	GB/T19686
Thermal Conductivity	W/(m·K)	≤0.040	≤0.040	≤0.040	GB/T19686
Point Load	N	≥200	≥500	≥700	GB/T19686
Combustion Class		A	A	A	GB/T19686
Hydrophobic Rate	%	≥98	≥98	≥98	GB/T19686
Acidity Coefficient		≥1.8	≥1.8	≥1.8	GB/T19686
Moisture Absorption by Mass	%	≤0.5	≤0.5	≤0.5	GB/T19686
Short-term Water Absorption (24h)	kg/m ²	≤0.5	≤0.5	≤0.5	GB/T19686
Long-term Water Absorption (28d)	kg/m ²	≤1.5	≤1.5	≤1.5	GB/T19686
Right Angle Deviation	mm/m	≤5	≤3	≤3	GB/T19686
Melting Temperature	°C	>1000	>1000	>1000	GB/T5480

APPLICATIONS

- Flexible waterproof roof insulation
- Metal roof insulation system
- Roof fire protection layer
- Acoustic absorption for roof assemblies

FEATURES

- High compressive resistance
- Class A fire resistant
- Hydrophobic treatment
- Low thermal conductivity

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.