

Taishi® Multipurpose Stone Wool Board

TSD Series

Fine-fiber stone wool board for general building and industrial insulation. NRC ≥ 0.45 sound absorption, formaldehyde emission ≤ 0.1 mg/m³.

SPECIFICATION MODELS

MODEL	DENSITY (KG/M ³)	THICKNESS (MM)	SIZE (MM)
TSD40	40	30-200	1200×600
TSD60	60	30-200	1200×600
TSD80	80	30-200	1200×600
TSD100	100	50-100	1200×600
TSD120	120	50-100	1200×600
TSD140	140	50-100	1200×600

Other specifications can be customized according to customer requirements.

TECHNICAL PARAMETERS

PROPERTY	UNIT	TSD40	TSD60	TSD80	TSD100	TSD120	TSD140	STANDARD
Fiber Diameter	μm	5	5	5	5	5	5	GB/T11835
Max Service Temperature	°C	350	450	450	650	650	650	ASTMC411
Thermal Load Shrinkage Temperature	°C	-	-	400	600	600	600	GB/T11835
Moisture Absorption by Mass	%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	GB/T5480
Hydrophobic Rate	%	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	≥ 99	GB/T10299
Thermal Conductivity	W/(m·K)	≤ 0.039	≤ 0.039	≤ 0.039	≤ 0.038	≤ 0.038	≤ 0.038	GB/T10294 EN13162
Combustion Class		A	A	A	A	A	A	GB/T8624
Melting Temperature	°C	>1000	>1000	>1000	>1000	>1000	>1000	GB/T8624
Radioactivity IRa		≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	CB6566-2010
Radioactivity Ir		≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	CB6566-2010
Formaldehyde Emission	mg/(kg·h)	≤ 1.4	≤ 1.4	≤ 1.4	≤ 1.4	≤ 1.4	≤ 1.4	GB/T32379-2015
Noise Reduction Coefficient (NRC)		≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	GB/T18696-2002

APPLICATIONS

- Interior partition wall insulation
- Curtain wall infill insulation
- Gypsum board partition filling
- Suspended ceiling insulation
- Industrial equipment insulation

FEATURES

- Ultra-fine fiber diameter
- NRC ≥ 0.45 sound absorption
- Low formaldehyde emission
- Class A fire resistant
- Hydrophobic treatment

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. Stonewool 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.