

Taishi® Marine Insulation Stone Wool Board

TSC Series

CCS-approved marine stone wool for shipbuilding insulation. A30/A60 fire-rated, for bulkhead, column, and composite panel applications.

SPECIFICATION MODELS

MODEL	DENSITY (KG/M ³)	THICKNESS (MM)	SIZE (MM)
TSC80	80	30-150	1200×600
TSC120	120	30-150	1200×600
TSC160	160	30-150	1200×600
TSC200	200	30-150	1200×600
TSCL120	120	48.5-100	1200×150
TSCL150	150	48.5-100	1200×150
TSCL200	200	23-100	1200×100
TSCL220	220	23-100	1200×100

Other specifications can be customized according to customer requirements.

TECHNICAL PARAMETERS

PROPERTY	UNIT	TSC80	TSC120	TSC160	TSC200	TSCL120	TSCL150	TSCL200	TSCL220	STANDARD
Compressive Resistance (10%)	kPa	-	-	-	80	80	-	-	200	EN826
Tensile Strength	kPa	-	-	-	150	150	-	-	350	EN1607
Combustion Class		A	A	A	A	A	A	A	A	GB/T8624 ISO1182 IMO A799(19)
Thermal Conductivity (70°C)	W/(m·K)	≤0.044	≤0.044	≤0.044	≤0.050	≤0.044	≤0.044	≤0.050	≤0.050	GB/T10295 ASTM C518
Moisture Absorption by Mass	%	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	GB/T5480 ASTM C1104M
Hydrophobic Rate	%	≥99	≥99	≥99	≥99	≥99	≥99	≥99	≥99	GB/T10299
Acidity Coefficient		≥1.8	≥1.8	≥1.8	≥1.8	≥1.8	≥1.8	≥1.8	≥1.8	GB/T5480
Dimensional Stability	%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	EN1604
Melting Temperature	°C	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	—
Environment Protection		No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	No CFCs, HCFCs, HFCs	—

APPLICATIONS

- Ship wall cavity filling
- Column and beam fire wrapping
- Marine composite panel core
- Interior walls and ceiling insulation

FEATURES

- CCS marine certified
- High compressive strength
- A30/A60 fire rated
- Hydrophobic rate ≥98%
- Marine-grade corrosion resistant

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.