

THERMOWOOL ROOF V OPTIMA 180

heat-insulating mineral wool boards

Production in compliance with the standard EN 13162.

MW-EN 13162-T5- DS (70,-)-DS(23,90)- CS(10)70-TR15-PL(5)700 -WS-WL(P)-MU1- R1F: A1

MANUFACTURER: LLC «Plant «TECHNO» 18018 Ukraine, Cherkassy,
Rizdvyana Street 300.

ORIGIN: Ukraine

**Non-flammable stone wool slabs made
of basaltic and gabbroic rocks**

Product Description

THERMOWOOL ROOF V OPTIMA 180 is non-flammable, hydrophobized heat- and sound-insulating slabs made of mineral wool based on the basalt group rocks.

Scope of application:

THERMOWOOL ROOF V OPTIMA 180 slabs are intended for use in civil and industrial construction as a heat-insulating layer in new construction and reconstruction of buildings and structures for different purposes.

It is used as a top layer in multi-layer roof insulation



Storage:

Slabs should be stored packed and stacked on pallets divided by types and sizes. During the entire storage period, the material must be protected from atmospheric precipitation. The height of the stack of slabs should not exceed 3 m upon storage.

Packaging Details:

Polyethylene shrink wrap is used for packaging. The method of wrapping and fixing a packaging material must ensure the reliable and strong packaging of slabs, their protection during loading and unloading operations, transportation and storage.

Technical Characteristics

ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATION
Declared thermal conductivity at 10 °C, λ_D , W/m*K	0,040	EN 13162:2012 + A1:2015
Density, kg/m ³	180±15	
Limit deviations length/width, mm	±2±1,5 %	
Limit deviations of thickness, mm	T5	
Thickness, (with increments of 10 mm), mm	30-110	
Deviation from squareness, mm/m	< 5	
Deviation from flatness, mm	< 6	
Compressive stress at 10% deformation, kPa	CS(10)70	
Point Load, N	PL(5)700	
Dimensional stability, %:		
- at specified temperature	DS(70,-) less than 1	
- under specified temperature (23oC) and humidity conditions (90%R.H.)	DS(23,90) less than 1	
Reaction to fire, euroclass	A1	
Water Absorption during Short/Longterm Immersion kg/m ²	WS less than 1 WL(P) less than 3	
Water vapour transmission, MU	MU1	
Dangerous substances	Does not include dangerous substances	