SWEETONDALE

THERMOWOOL FAS EXTRA 90
heat-insulating mineral wool slabs

CE 1023

Production in compliance with the standard EN 13162.

MANUFACTURER: LLC «Plant «TECHNO»»
18028 Ukraine, Cherkassy, Rizdvyana Street 300.
ORIGIN: Ukraine



Non-combustible stone wool slabs made of basalt and gabbro rocks

λ_D 0,035 W/(m·K)	A1	90±10 kg/m³	50–200 mm
thermal conductivity	reaction to fire	density	thickness

Designation code: MW-EN 13162-T5-DS(70,-)-DS(23,90)-CS(10)15-TR5-PL(5)50-WS-WL(P)-MU1 RtF: A1

Product Description:

THERMOWOOL FAS EXTRA 90 are non-combustible, water-repellent heat- and sound-insulating slabs made of stone wool based on basalt group rocks.

Scope of application:

THERMOWOOL FAS EXTRA 90 slabs are intended for use in civil and industrial construction as thermal and sound insulation in systems of external wall insulation with a protective and decorative layer of fine plaster.

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 harmonized technical specification EN 13162:2012 + A1:2015

ESSENTIAL CHARACTERISTICS	PERFORMANCE
Declared thermal conductivity at 10 °C, λ_D, W/(m·K)	0,035
Density, kg/m³	90±10
Limit deviations of length / width	±2 % / ±1,5 %
Thickness tolerance class	T5
Thickness (with increments of 10 mm), mm	50–200
Deviation from squareness, mm/m	≤ 5
Deviation from flatness, mm	≤ 6
Compressive stress at 10% deformation, kPa	CS(10)15
Tensile strength perpendicular to faces, kPa	TR5
Point load at 5 mm deformation, N	PL(5)50
Dimensional stability, %: **- at 70 °C** **- at 23 °C and 90 % relative humidity**	 DS(70,-) ≤ 1 DS(23,90) ≤ 1
Reaction to fire, euroclass	A1
Water absorption during short-term / long-term immersion, kg/m²	WS ≤ 1 WL(P) ≤ 3
Water vapour diffusion resistance factor, μ	MU1
Release of dangerous substances to the indoor environment	NPD

Thickness d, mm	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Thermal resistance R_D, m²·K/W	1,40	1,70	2,00	2,25	2,55	2,85	3,10	3,40	3,70	4,00	4,25	4,55	4,85	5,10	5,40	5,70

Certificate of constancy of performance No. 1023-CPR-0719 P.