

## THERMOWOOL LIGHT EXTRA 30 heat-insulating mineral wool boards

Production in compliance with the standard EN 13162.

MW-EN 13162-T2- DS (70,-)-DS(23,90)- CS(10)0,5 -WS-WL(P)-MU1- RtF: 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 LIGHT EXTRA 30** is non-flammable, hydrophobized heat- and sound-insulating boards made of mineral wool based on the basalt group rocks.

#### Scope of application:

**THERMOWOOL LIGHT EXTRA 30** 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 the single-layer thermal insulation or the top layer in two- or three-layer insulation with the arrangement of a "wet" or "dry" screed on the insulation surface; and also, as the bottom layer for two- or three-layer thermal insulation of roofs



#### 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, $\lambda_D$ , W/m*K            | 0,038                                 | EN 13162:2012 + A1:2015            |
| Density, kg/m³   | 30±5                                  |                                    |
| Limit deviations length/width, mm                                      | ±2/±1,5 %                             |                                    |
| Limit deviations of thickness, mm                                      | T2                                    |                                    |
| Thickness, (with increments of 10 mm), mm                              | 50-100; 150-200                       |                                    |
| Deviation from squareness, mm/m  | < 5                                   |                                    |
| Deviation from flatness, mm  | < 6                                   |                                    |
| Compressive stress at 10% deformation, kPa                             | CS(10)0,5                             |                                    |
| 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/m²                | WS less than 1<br>WL(P) less than 3   |                                    |
| Water vapour transmission, MU  | MU1                                   |                                    |
| Dangerous substances   | Does not include dangerous substances |                                    |