

PERLIWOOL

*Perlite based fireproof spray
mortar*

TECHNICAL DATA SHEET



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PRODUCT DESCRIPTION

PERLIWOOL is a dry spray mortar made of perlite, mineral wool and dry inorganic binders. It is suitable for fire protection and thermal insulation, as well as sound absorption. After application, **PERLIWOOL** mortar has a rough finish and a monolithic texture. Due to its composition, it forms a continuous, flexible and jointless layer.

APPLICATION

PERLIWOOL fireproof mortar is designed for coating structural elements to protect them in case of fire. The mortar is used to protect the following structures:

- steel (beams, columns) for critical temperatures from 350°C to 550°C
- concrete structures (walls, ceilings, columns, beams)
- wooden structures

AVAILABILITY

Color	Delivery form		Item number
White	Bag	25 kg	7410001250
Gray			7410002250

INSTALLATION

- SURFACE PREPARATION.** Clean the surface of grease, dust and dirt. If the surface does not provide sufficient adhesion, e.g. use an adhesion-enhancing mesh or roughen it. The application temperature must be between +3°C and +30°C.
- SPRAYING.** Spray onto the cleaned surface in a single layer of even thickness to achieve the desired layer thickness. Hairline cracks in the dry mortar are acceptable.
- FINISH.** The mortar has a rough finish. It can be smoothed, e.g. with a trowel.

FIRE CLASSIFICATION

Use of PERLIWOOL mortar – type of construction	Classification
STEEL	Max. R 180
CONCRETE	Max. R 240



TECHNICAL DATA

Fire reaction class	A1
Density	$\rho = 300 \text{ kg/m}^3 \pm 15\%$
Performance	3,0 kg/m ² with a layer thickness of 1 cm
Thermal conductivity	$\Lambda = 0,071 \text{ W/(m} \cdot \text{K)}$
Application temperature	Od +3°C do +30°C
Compressive strength	0,4 N/mm ²
Color	Grey-white
pH value	12,0
Sound absorption according to UNE-EN ISO	$a_w = 0,80$ dla gr. 35mm $a_w = 1,00$ dla gr. 54mm
Sound absorption according to ASTM	NRC = 0,90 dla gr. 30mm NRC = 1,00 dla gr. 50mm

COMPLIANCE

European Technical Assessment:

ETA-18/0456

Declaration of performance:

DoP 500025-01-005

Certificate of constancy of performance:

1220-CPR-1805



TRANSPORT AND STORAGE

Transport and store in a dry and cool place. Protect from moisture.