

**Innovative multifunctional thermal
insulation material based on perlite.**

Dry mixtures based on perlite

Create cosiness around you



www.perlite.pt

100% environmentally friendly product

Product Description

We present an innovative product - ready dry mix used for interior and exterior plastering works, as well as for screeding floors and roofs. The product consists of expanded perlite, cement, natural silicates and inorganic additives. The product provides a high level of thermal insulation, noise insulation and fire safety. The product is manufactured in accordance with European standards. The product is environmentally safe and does not contain additives hazardous to human health and the environment.

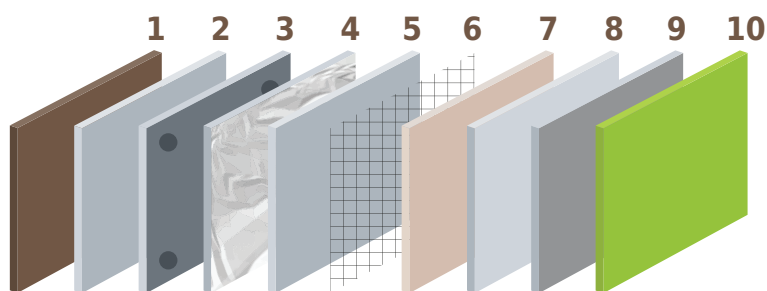
Our company has started production of environmentally friendly dry mix in accordance with European standards at an enterprise equipped with modern equipment. The enterprise is staffed with highly qualified personnel, which helps us to create consistently high-quality products. The product created by us is constantly undergoing laboratory testing and control, which is a guarantee of all the above properties.

Product Feature

Thermal insulation			Ease
Soundproofing			Environmentally friendly product
Frost resistance			Fire resistance
Moisture resistance			Air permeability
Resistance to cracking			Long-term operation

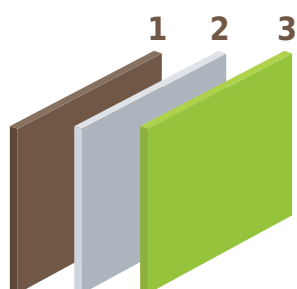
Applied to the surface either manually or with a machine

Plastering and thermal insulation using the classical method



1. Wall
2. Plaster
3. Nail
4. Thermal insulation material
5. Second layer of plaster
6. Grid
7. Plaster
8. Soil
9. Mineral patch
10. Paint

Plastering with a modern method



1. Wall
2. Mixture based on perlite
3. Paint

Scope:

The material is used as a means for finishing internal and external facades, for screeding roofs and floors. It is used on surfaces made of pumice, foam concrete, metal, etc.

Operating Conditions:

The ideal temperature for the use of the material is from +5°C to +25°C. To remove dust and mechanical particles, it is recommended to wash the surface with water, special solution or treat with primer before use. Shelf life: in dry conditions shelf life is 1 year.

Shelf life - 1 year (when stored in dry conditions)



1cm - 9db
2cm - 17db
3cm - 25db

1 мешок / 25 литр



= 2.2 m²
(толщина 1 см)

Technical passport

Thermal conductivity	0,055-0,09 W/mK
Fire class	A1
Power factor	0,3 N/mm ²
Pressure coefficient	1,6-3,0 N/mm ²
Bulk density	230 kg/m ³
Capillary water absorption coefficient	0,15 [kg/(m ² .min ^{0,5})]
Vapour permeability	0,033.10 ⁻¹⁰ [kg/m.s.Pa]
Adhesion	0,4 [N/mm ²]
Harmonised technical specification	norm