



World's No.1 Insulating Paints Coatings and Plasters

INSOPLAST

1. PRODUCT DESCRIPTION

Polymeric, water repellent, lightweight, breathing, ecologic, cementations thermal insulating perlite plaster.

2. APPEARANCE

White powder

3. USAGE

Interior and exterior use. Applicable on concrete, aac blocks, bricks, cementations plasters, cementations surfaces, walls and ceilings.

Dry Bulk Density:	300kg/m ³
Consumption:	3-4kg/m ² /cm
Water Addition:	15-18lt (for 15kg dry product)
Application Temperature:	+5oC to +35oC
Drying time:	24-48 hours (Depends on the weather conditions)
Pressure Strength:	0,4 – 2.5 N/mm ²
Capillary Water Absorption:	< 0,40 kg/m ² .min 0,5
Vapour Permeability Factor:	< 15
Thermal Conductivity Value:	T1 Class (<0,10 W/mK)
Adhesive Strength:	> 0.05 N/mm ²
Fire Resistance:	Class A1

(This product is produced according to TS EN 998-1 standard)

4. APPLICATION

Surface Preparation:

Remove dust, small particles and traces of foreign materials from the surface. InsOplast should be applied on to hot surfaces. InsOplast sprinkling plaster or traditional sprinkling plasters should be applied on the surface before applying InsOplast on aac blocks, concretes or similar risky surfaces. No liquid primer or any liquid substance should be applied on the surface before InsOplast is applied. Sprinkling is recommended in these cases in order to get best adhesion.

Application:

Prepare the plaster by adding 15-18lt of clean water to 15kg of InsOplast. Suitable mixing time is 2-3 minutes. It is recommended to add measured amount of water into the mixing bucket before InsOplast is added. Then InsOplast is added on the water slowly. It is recommended to use low speed auto-matic mixer. It is recommended to use a wide bucket in order to mix the plaster. After mixing thoroughly in a few minutes let the composition stand for 10 minutes and mix again for a half minute and adjust the water amount if necessary.

When area is covered to the desired thickness, it is necessary to wait wetness of the applied plaster is removed and no application should be done on the plaster before it gets sufficiently stiff. This is so important in order to get the best adhesion on the surface. Then second coat can be applied or light weight levelling tools are used in conjunction with a trowel to fill the hollows. It is recommended to apply two or more coat in order to get the desired thickness. The plaster, once sufficiently stiff, should once more be given a final smoothing to remove any high points or undulations. After applications it is recommended to water the InsOplast surface for a few days to 7 days depends on the local weather conditions especially on hot weather conditions.

InsOplast should be covered with InsOpaint, Thermilate PRO or Thermilate TRADE coatings.

Thickness of the plaster after application is so important to get an efficient thermal insulation. Thickness of the plaster should be determined according to local weather conditions and other building materials used in the building. The thickness of the plaster should be min. 2cm depending on the above criteria.

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5. PACKAGING AND STORAGE

Packed in 15kg paper bags on pallets or single-bags. Should be stored max. 8 pieces over and over for 8 months in a dry and warm place. The bag should be protected against bad weather conditions.

6. CAUTION

Use protective glasses, gloves and dress. Avoid from skin and eye contact. In case of contact wash with water. Refer medical care if necessary. Shouldn't be applied under +5°C. Shouldn't be applied on too hot surfaces. Plaster should be mixed with low speed mixer. Shouldn't be applied on painted, gypsum, varnished, wooden, plastic, steel or similar surfaces directly. Consult your local seller how to apply product on this kind of surfaces.

16. CODES ACCORDING TO THE LIST OF WASTES REGULATIONS

Non-hazardous product: waste code 08 11 12.

Part-used containers containing dried residue of supplied product assigned as non-hazardous: waste code 08 01 12.

Waste paint / varnish other than these mentioned: waste code 08 01 11. Used containers rinsed or scraped out with dried residue of the supplied product has non-hazardous waste code 05 01 02 plastic packaging, or non-hazardous waste code 15 01 04 metal packaging.

Rigorously scraped out - removing maximum amount of product from the container by physical or mechanical means such as draining or scraping, to leave a residue that cannot be removed by such means.

These assigned codes are based on the actual composition of the product in both supplied and dried residues. If mixed with other wastes, these waste codes quoted may not be applicable.



Prepared by Thermilate Technologies Ltd

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This Product Data Sheet supersedes all other previously dated sheets for this product.