



Plaster for Thermal Insulation made of polystyrene foam

Characteristics:

SANOTHERM PS is a premixed plaster at high thermal insulation made of polystyrene foam, ready to use, for a manual and mechanical installation on internal and external surfaces. It can be applied to all type of masonry. Thanks to its permeability to steam it is particularly suitable as a background thermal insulation plaster for the following applications of plaster finish.

Application fields:

SANOTHERM PS gathers together in a single product the characteristics of a rough plaster and of a thermal insulation. Thanks to its thermo insulation power extremely high it can be use as this function to all type of masonry. It is permeable to steam and it is particularly suitable as a background thermo insulation plaster for the following applications of plaster finish. It is advisable a minimum thickness of 4 cm of SANOTHERM PS.

Suitable supports:

Bricks in general, thermo bricks, concrete, mineral plasters.

Preparation of the supports:

The surfaces have to be roughs, compacts, absorbents, solids and dust free, oil free and without efflorescence. Depending on the absorbent power of the support, or in hot climate, it will be necessary to moisten it before applying the rinzafo SANOTHERM RINZAFFO.

On all mineral substrates apply before SANOTHERM RINZAFFO and let it age for at least 3 days.

Application methods:

Always pour the whole bag content in 9 l of water and mix it accurately. Do not add any binding and in no case any gypsum. The mixers more suited are the conventional one at free fall.

Mixing time: for the manual application is from 3 to 5 minutes; for the mechanical application with the mixers the mixing time varies depending on the machine model. The mixed mortar has to be use within maximum 2 hours.

Moist the supports. With the applying machine, SANOTHERM PS can be laid in layers not higher of 5 cm thick. Therefore, if it is required a greater thickness, you should apply more layers on top of each layer to the state semi-fresh. The minimum thickness advisable, anyway, is of 4 cm. The more indicate applying machine for the plastering are those with the stirrer forced and with pump cochlea. SANOTHERM PS is a rough plaster and it has to be laid with a listel previously moisten or with an aluminium shaft. Do not smooth the plaster.

It is advisable as finish MACRORASO. For the following trimmings wait at least 1 week for each centimetres of plaster thickness. In the case of a shorter waiting time, and anyway never less of 14 days, apply the MACRORASO trimmings twice drowning a armour network between the two hands.

Technical data:

Appearance	Grey powder	
Packaging	Bag of 50 Kg	
Maximum Granulometry	2 mm	
Water absorption in the mix	W0	(EN 1015-18)
Compression resistance (28 days)	> 0,5 N/mm ²	(EN 1015-11)
Flexion resistance (28 days)	> 0,3 N/mm ²	(EN 1015-12)
Fire resistance	Class "A1"	(EN 13501-1)
Resistance factor to the steam distributor μ	about 8	(EN 1015-19)
Thermal conductivity λ	0,0713 W/mK	(EN 1745)
Water needs	ca. 9 l/sacco	
Material usage:	about 1 bag/m ² for 4 cm of plaster thickness.	
	Minimum plaster thickness:	
	• internal 20 mm	
	• external 40 mm	

Please note:

The product doesn't have to be applied under the direct impact with the sun, under rain, at temperature under +5° o with the danger of frost. Do not add antifreeze. SANTOTHERM PS has to be kept moist for two days (spray with nozzle vaporizer twice a day) after application. In case of strong heat, wind or in presence of high absorption support, moisten at shorter time intervals. During the first days of hardening the plaster should not be exposed to frost.