



Subbases and screeds

POMICA MASSETTO

POMICA MASSETTO is a lightweight, Biocompatible screed, pre-packaged powder for interior and exterior use, according to standard UNI EN 13813. **POMICA MASSETTO** is free from cement or compounds belonging to the clinker group. It consists of a mixture of pure mineral sands, expanded with low specific weight, screened with continuous grain size arc from 0 to 5 mm. The only binder present is St ASTIER Pure Natural Hydraulic Lime **NHL 5** according to standard UNI EN 459-1. The lime **NHL 5**, white, is produced by baking siliceous limestones at temperatures below 1250°C and reduced in powder by only the breakdown of calcium oxide, without the addition of pozzolanic materials or hydraulic binders of any kind.



FEATURES

POMICA MASSETTO is a draining screed, pre-packaged powder, biocompatible, free of salts, chemical and volatile organic compounds (VOCs). These features, combined with the total mineral nature of the components, guarantee the purity, non-toxicity, non-harmfulness and the total recyclability of the product in full respect for man and the environment. The expanded minerals with low specific weight, which constitute **POMICA MASSETTO** have a cellular structure characterised by micro cavities. This structure gives the material sound absorbing capacity.

FIELDS OF APPLICATION

POMICA MASSETTO is specific for the formation of lightweight insulating screeds for new and old structures, for low and high thicknesses from 2 to 15 cm. It is easily workable with the traditionally used techniques in laying the subbases. **POMICA MASSETTO** is used for the realization of the last layer of floor substrate. It is recommended as a block for laying the underfloor heating systems.

APPLICATION

The **POMICA MASSETTO** block can be applied manually or with a pump and mixed only with about 10-11 l of water per bag, depending on the desired consistency. After the preparation of the level bands you will proceed with the casting of the mixture, suitably consolidated, to fill the background. To straight edge and float the surface in a multilayer system. Wait for full curing.

TECHNICAL DATA

PRODUCT TYPE	Light conglomerate for screeds complying with the standard UNI EN 13813
GRAIN SIZE CURVE (EN 1015-1)	0 - 5 mm
pH OF THE MIXTURE	> 12.5
FRESH MORTAR APPARENT DENSITY (EN 1015-6)	1340 kg/m³
DRIED MORTAR APPARENT DENSITY (EN 1015-10)	1100 kg/m³
APPARENT DENSITY IN PILE	900 kg/m³
COMPRESSIVE STRENGTH (EN 1015-11)	Category CS II
COMPRESSIVE STRENGTH (EN 13813)	C7
FLEXURAL STRENGTH 28 DAYS (EN 1015-11)	1,80 N/mm²
FLEXURAL STRENGTH (EN 13813)	F1
MINIMUM APPLICABLE THICKNESS	> 3 cm
ADHESION (EN 1015-12)	> 0,1 N/mm² FP-B
WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19)	$\mu < 10$
PEDONABILITY	24 h after laying
WATER ABSORPTION THROUGH CAPILLARITY (EN 1015-18)	W0
INITIAL SETTING TIME AT 20°C 65% U.R.:	12 h
FINAL SETTING TIME AT 20°C 65% U.R.:	20 h
FLAME RESISTANCE (EN 13501-1)	A1 class
MIXING WATER	10-11 l per bag
CONSUMPTION	8 kg/m² about for 1 cm thickness
PACKAGING	30 kg bag
PALLET	48 bags of kg 1440
STORAGE	keep in dry place for 18-24 months in original package
APPLICATION TEMPERATURE	from + 5°C to +32°C
REACH CLASSIFICATION	See SDS