

# 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.

- Dehumidifying
- Environment Friendly
- Radon Free
- Restoration
- Breathable
- Resistant
- Cement Free
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anti-Condensing
- NHL 5
- Quick
- Reversible
- Easy
- Bioedilizia
- Green Building
- Pollution Resistant



---

## 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.

---

## Voci di capitolato

Esecuzione di Massetto alleggerito dello spessore di cm... con POMICA MASSETTO sottofondo biocompatibile preconfezionato in polvere, per interni ed esterni, conforme alla norma UNI EN 13813 con i seguenti parametri di controllo: pH dell'impasto > 12,5, resistenza a compressione CSII, coefficiente alla diffusione del vapore acqueo  $\mu < 10$  (EN 1015-19), adesione > 0,1 N/mm<sup>2</sup> FP-B (EN 1015-12), conducibilità termica 0,17 W/mK, reazione al fuoco (EN 13501-1): Classe A1.

Il Massetto di sottofondo POMICA MASSETTO è totalmente privo di cemento e di composti appartenenti al gruppo del clinker ed è costituito da inerti puri minerali espansi a basso peso specifico, vagliati con arco granulometrico continuo da 0 a 5 mm. L'unico legante presente è la Calce Idraulica Naturale Pura NHL 5 di SAINT-ASTIER conforme alla norma UNI EN 459-1. La calce NHL 5, di colore bianco, è prodotta mediante cottura di calcari silicei a temperature inferiori ai 1250° C e ridotta in polvere mediante il solo spegnimento dell'ossido di calcio, senza aggiunta di materiali pozzolanici o leganti idraulici di qualsiasi natura, avente i seguenti parametri di controllo: contenuto di calce libera non inferiore al 19% (UNI EN 459-2 4.7), densità di 0,77 (UNI EN 459-2 5.8) ed una resistenza meccanica a compressione a 28 gg non inferiore a 10,2 Mpa (UNI EN 459-2 5.1).

## Dati Tecnici

**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/m<sup>3</sup>

---

**DRIED MORTAR APPARENT DENSITY (EN 1015-10)** 1100 kg/m<sup>3</sup>

---

**APPARENT DENSITY IN PILE** 900 kg/m<sup>3</sup>

---

**COMPRESSIVE STRENGTH (EN 1015-11)** Category CS II

---

**COMPRESSIVE STRENGTH (EN 13813)** C7

---

**FLEXURAL STRENGTH 28 DAYS (EN 1015-11)** 1,80 N/mm<sup>2</sup>

---

**FLEXURAL STRENGTH (EN 13813)** F1

---

**MINIMUM APPLICABLE THICKNESS** > 3 cm

---

**ADHESION (EN 1015-12)** > 0,1 N/mm<sup>2</sup> 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/m<sup>2</sup> 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