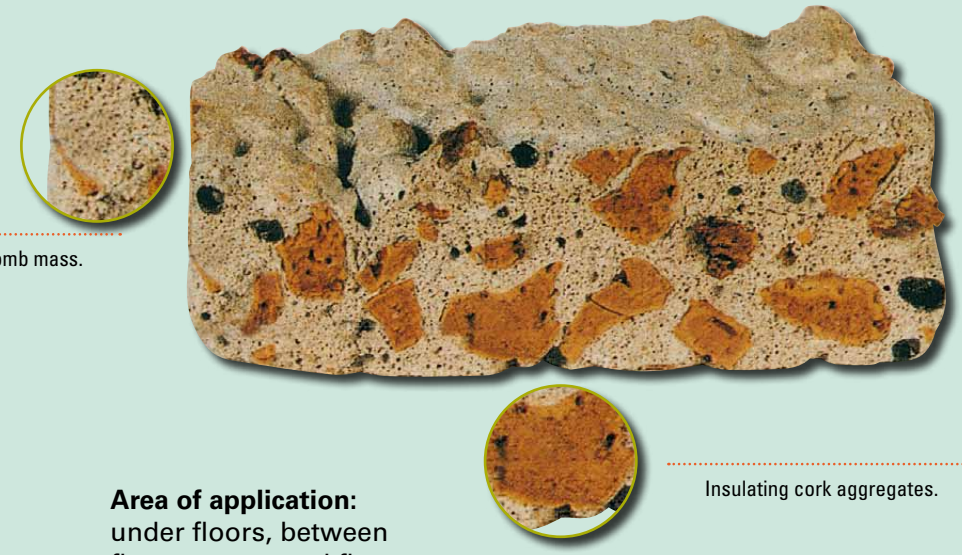
Insulating screed 0,045

Anti-condensation Acoustic and Thermal Insulation

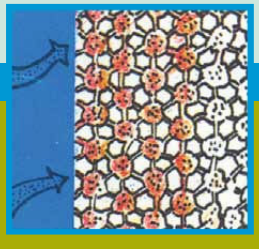


Soundproofing honeycomb mass.

Insulating cork aggregates.

Area of application:
under floors, between floors, on ground floors, to remove damp and condensation, under roof tiles for thermal insulation and waterproofing, thermal insulation of terraces.

An alternative solution to traditional slabs



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Technical specifications

APPLICATIONS

The **Insulating screed 0.045**, made up of highly-insulating natural aggregates, responds to the many requirements of the modern building industry as it encapsulates two key features:

1) thermal insulation;
2) acoustic insulation;

If a 5cm layer of the **Insulating screed 0.045** is laid on a roof, backed with an electrically-welded metal mesh, this will provide thermal and acoustic insulation; another important feature is the low specific gravity of the product, which can thus be used to renovate old buildings without weighing too heavily on their structure.
The benefits of the **Insulating screed 0.045** may be extended to other, important applications:
• it may be used as a filler and for the glueing of wooden floors and other facings, or between floors, under the floor surface, to reduce walking or falling noises;
• thermal insulation of porches, as a damp-proofing slab under a floor or on a ground floor. As the product is thixotropic, it provides excellent thermal insulation for terraces; because of its thixotropic nature, it is easy to apply, regardless of the slope of the terrace.

The **Insulating screed 0.045** is a premixed insulating screed, ready to be mixed with concrete and water just before use. Once mixed and cast in thick layers under a floor, this product offers excellent thermal and acoustic insulation.

TECHNICAL SPECIFICATIONS

Thermal conductivity	λ = 0,045 Kcal/m^2/h/°C (0,055 W/mK)
Vapour resistance	μ = 5,3
Apparent specific gravity	100 Kg m^3
Solid content	Approximately 475 Kg m^3
Compressive strength	12 Kg cm^2 after 30 days
Fire resistance	Non combustible
Rot-proofing	Rot proof
Setting time	24 hours
Drying time	5-6 days
Total water release	30 days
Yield	kg 1/ m^2/1 cm thick

Grafiche Rossi - Pontedera

HOW TO MIX

In a 250-litre cement mixer, pour:
• 35 litres water
• 75 Kg 325 Portland concrete
• 1 litre 370/C additive
• 1 20kg bag of **Insulating screed 0.045**

Make sure concrete is not stuck to the bottom of the mixer; if it is, then stop the mixer and remove it; tip the mixer, wait a few seconds until the water wets all the mass, and, if it is not enough, add more water in small doses. If the mortar is too loose, add more lime to thicken it. Run the mixer for 5-7 minutes.
NOTICE: If the mix is stirred for too long, the mass will take in too much air and the mortar will be too light and thin and will not be fit for use. Conversely, if it takes in too little air, the pits will not properly swell and it will not work properly. The resulting mass must look thixotropic: soft and thick.

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