PROSILENCE

Self-levelling, acoustic insulating mortar

Susterra
Molins Sustainable Solutions

Fresh self-levelling mortar manufactured with Susterra cement, with a lower carbon footprint, reducing its CO_2 emissions by up to 25% compared to products currently manufactured with type I cement in the same resistance category.

Highly innovative product. Mixture of cement, aggregates, additives and 100% recycled polymeric material that give it superior acoustic properties to conventional mortar.

Continuous paving screeds can reach thicknesses of less than 35 mm, providing a completely level, light and crack-free surface.

This is a product that provides acoustic insulation as specified in the technical building code.

Molins CONCRETE & AGGREGATES

Field of application

Surfaces requiring higher-than-normal acoustic insulation.

Surfaces with thicknesses between 3.5 and 8 cm.

PROSILENCE is compatible with floating parquet, marble, tiles and ceramics. If adhesives or glues are used, the mortar surface must be brushed by machine or with a spiked steel brush when laying the final coating. At the contractor's request.

Direct application on the slab, without the need for impact sound insulation sheet.

Benefits

High recycled content.

Greater acoustic insulation, improving the figure of 65 dB required in the CTE.

Controlled dosage - Homogeneity of the product.

Optimal planimetry.

Optimal and fast execution, high daily performance.

Optimisation of on-site space - Maximum cleanliness.

Safety during application.

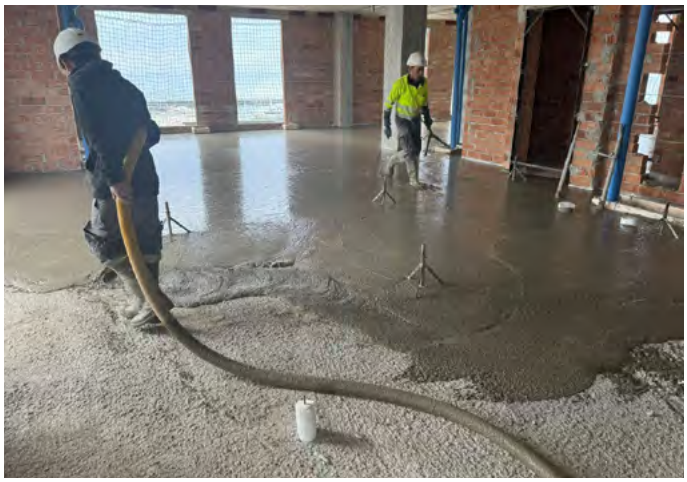
Provides point scores towards ratings for sustainable buildings.

Application and delivery system

It is delivered on site by a concrete mixer lorry, and, via a pumping system, it is laid by a team of Molins professionals.

Specific weight	2070+-50 Kg/m³
Compressive strength (28 days)	C7 (10 MPa)
Flexural strength (28 days)	F3 (3MPa)
Maximum aggregate size	4 mm
Thermal conductivity	0,746W/mK
Fire resistance**	REI 120 (value obtained with a floor slab with 36 cm thick coffers + 6 cm Prosilence)
In-situ measurement of impact sound insulation*	54 dB (value obtained with a 25 cm thick waffle slab + 5 cm of Prosilence)
Thicknesses	Between 3.5 and 8 cm.

* APPLUS test in accordance with UNE-EN ISO 140-7: 1999 as of 12/01/2026.
** APPLUS test according to UNE-EN 1365-2:2016 and UNE-EN 1363-1:2021 as of 30 September 2024.



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