

Specification

- DEMOLITION

Removal of damaged or detached tiles, or deteriorated parts of the substrate.

- LEVELLING

To even out the surface from which the tiles have detached, levelling with thixotropic cement-based skimming plaster in layers 2 to 10 mm thick, such as Technokolla's **RASO**, which conforms to European standard **EN 13813**, class **CT C12 F4**, or, for layers 3 to 30 mm thick, **GAP** or **GAP-R**, which conform to European standard **EN 1504-3**, class **R2 PCC**.

- INSULATING LAYER

The insulating layer must be in the form of rolls 3 mm thick, such as Technokolla's **ISOFONIKO-R**.

It must lower the noise caused by walking on the floor (in accordance with standard **EN ISO 140-8**) by 17 dB and must allow ceramic tiles to be fixed on top using cement-based adhesive.

The insulation must be fixed in place with class **C2 FT** cement-based adhesive in accordance with standard **EN 12004**, such as Technokolla's **TECHNORAP**. Use Technokolla's **RS 90** two-pack polyurethane adhesive on wooden substrates.

- FLOORING

The final layer of tiles must be fixed with class **C2 FT** cement-based adhesive conforming to standard **EN 12004**, such as Technokolla's **TECHNORAP**, applied straight on to the insulating layer.

The 3-4 mm joints must be grouted with cement-based grouting conforming to class **CG2** of standard **EN 13888**, such as Technokolla's **TECHNOCOLORS**.

The floor-skirting joint must be grouted with silicone sealant such as **NEUSIL** or **ACESIL-310** by Technokolla. To proceed in the correct way, it is advisable for the silicone grouting to be applied before cementitious grouting.

- And we know how to solve them**
- Reduce the noise level by a further 17.0 dB in just 3 mm
 - New floor tiles and sound-proofing after just 24 hours.

- We understand the problems**
- Compliance with D.P.C.M. 05-12-1997 standards for the rooms
 - Demolition of the existing flooring

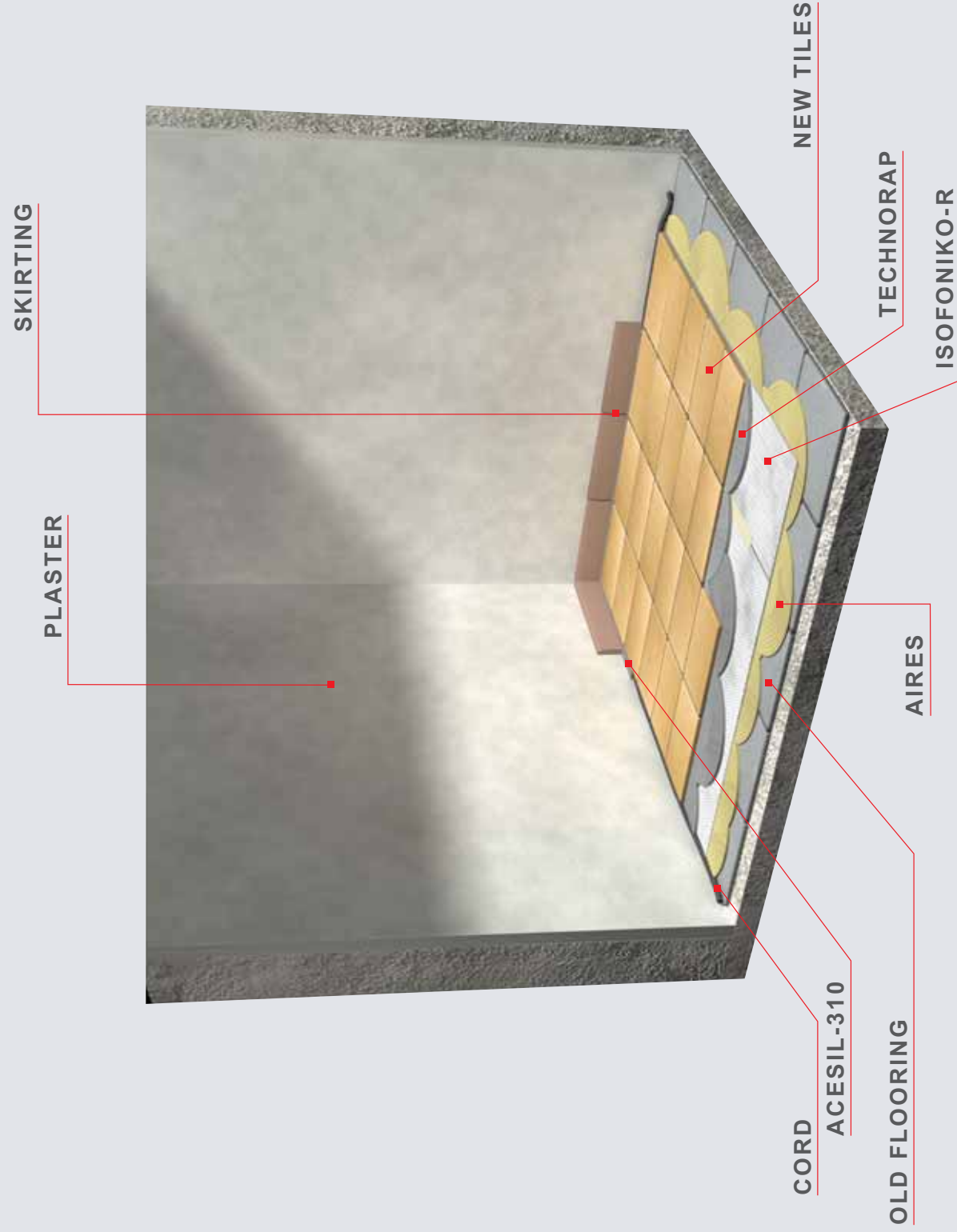
Acoustic insulation for floors

Technokolla
system
design
systems

Acoustic insulation for floors



18 Acoustic insulation for floors



Isofoniko-R

Matting with 17.0 dB sound deadening properties in a layer just 3 mm thick, for floors in residential and commercial buildings.

Aires

Very high efficiency (+55%), highly flexible cement-based adhesive with sound-deadening properties, for fixing ceramic tiles.

AIRES conforms to European standards **EN 12004 C2TE, EN 12002 S2**.

Technorap

Quick-setting powder adhesive containing a high percentage of polymer for the application of **ISOFOONIKO-R** on absorbent substrates and for laying ceramic or stone cladding materials on top of **ISOFOONIKO-R**.

TECHNORAP conforms to standard **EN 12004** class **C2 FT**.

Skycolors

SKYCOLORS is ideal for this system as it makes the floor considerably stable, especially with large tiles and 2-3 mm joints. Moreover, the wide range of bright and shiny colours makes the floors even more attractive and harmonizes the entire room setting.

SKYCOLORS conforms to standard **EN 13888 CLASS RG**

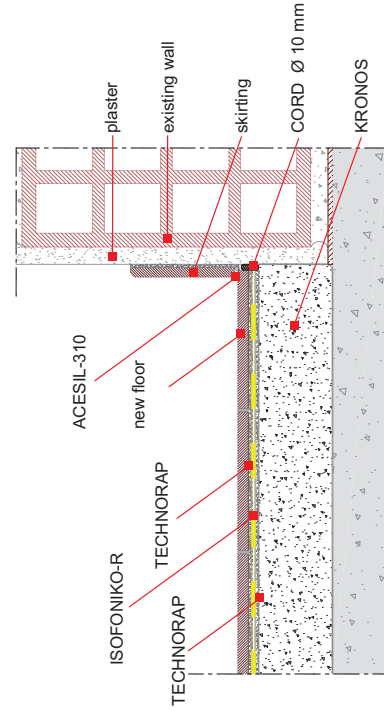
Acesil-310

This is a revolutionary cement-based sealant for building purposes. A newly formulated highly water-repellent product, it features an extraordinarily velvety finish and an exceptional gloss. Thanks to its extraordinary characteristics, it is ideal for all types of ceramic tiles, marble and heating screeds.

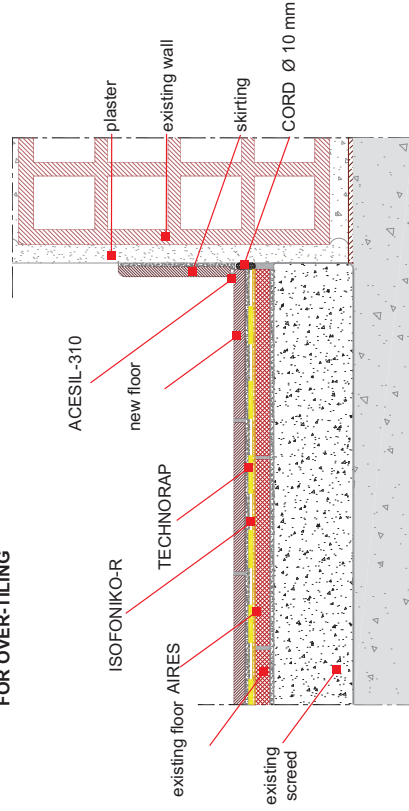
TECHNOCOLORS conforms to European standard **EN 13888 CG2**.



ISOFOONIKO-R ON CEMENT-BASED SCREED



ISOFOONIKO-R FOR OVER-TILING



Technical Drawings