ISOLMANT ISOLTILE
the ideal ally
for renovation

ISOLMANT

A world of acoustic comfort

ISOLTILE, THE IDEAL ALLY FOR RENOVATION

The renovation, be it residential or commercial, often involves the insertion of a new flooring, with the aim of increasing the comfort of the environment.

Whether it is a light refurbishment (removal and replacement of the flooring or installation of the new finish on the existing one), or a more invasive intervention (removal of the flooring and the first finishing screed), customer requests are increasingly oriented towards technology advanced products, versatile, low thickness and able to guarantee high performance.

IsolTile is the answer to this need: a concentrate of technology in just 2 mm of thickness, available in three versions to adapt to all construction site situations.
Resilient elastodynamics acoustic layer with low thickness, uncoupling and reinforcing, designed for under screed and under flooring applications (tile, stone, wooden flooring). Thickness 2 mm.

Its details and its technical characteristics make isolTile suitable for two main areas of use:

UNDER SCREED:

Application under low thickness screeds, <3 cm (with or without underfloor heating).

UNDER FLOOR:

Floor application - ceramic, stone, parquet - on top of the screed (with or without underfloor heating).

Floor application - ceramic, stone, parquet - directly on top of a heating floor system even if low thickness /low inertia.

Floor application - ceramic, stone, parquet - directly on the existing floor.

For more information, visit the website ***www.isolmant.com***

ISOLTILE IS THREEFOLD

Now with a **new look** for improved recognisability on **the worksite**!

NEW **RELEASE**

ISOLTILE **BV**

UPPER SIDE | Black screen-printed fabric

2 mm SPESSORE

LOWER SIDE | New bottom side silver (barrier against vapour)

ISOLTILE **CLASSIC**

UPPER SIDE | Black screen-printed fabric

2 mm SPESSORE

LOWER SIDE | New bottom side total black

ISOLTILE **AD**

UPPER SIDE | Black screen-printed fabric

THICKNESS 2 mm

LOWER SIDE | Adjustable adhesive coating

All versions of IsolTile come with **the upper side printed** with the brand logo and the **lower side different in the three versions**. A restyling that makes the range even more recognisable on worksites and easier to lay.

FIELD OF USE

UNDER **SCREED***

Application under low thickness screeds ⩽ 3 cm (with or without under floor heating)

UNDER **FLOORING***

Under a wooden floor where a s_d value greater than 40 m is required

*In projects where vapor barrier is required

UNDER **SCREED**

Application under low thickness screeds ⩽ 3 cm (with or without under floor heating)

UNDER **FLOORING**

Under a wooden, ceramic or stone floor

UNDER **FLOORING**

Under flooring application on top of old smooth floors

A SIDE-BY-SIDE COMPARISON

THE THREE PRODUCTS AND THEIR CHARACTERISTICS

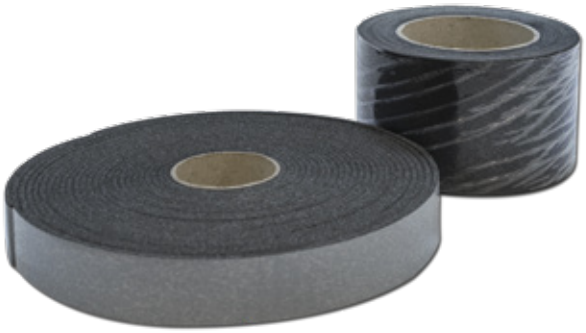
BENEFITS	ISOLTILE CLASSIC	ISOLTILE BV	ISOLTILE AD
Provides a significant increase in acoustic insulation against impact noise, in case of renovation and new construction.	✓	✓	✓
It can be used in all environments, in both residential and tertiary contexts.	✓	✓	✓
Low thickness, does not require modifications to existing levels.	✓	✓	✓
Low thermal resistance (compatible with underfloor heating systems, even when laid under the floor).	✓	✓	✓
Allows glue installation of finishes directly on radiant floors with low thickness/low inertia.	✓	✓	
Vapour barrier (S_d > 40 m).		✓	
Adhesive layer adheres to the existing floor or other smooth, clean surface without the need to abrade or treat it before laying the glue.			✓
Product supplied with accessories for correct installation.	✓	✓	✓
This product does not require any special glues to install.	✓	✓	✓
This product prevents large tiles from cracking.	✓	✓	✓
Volatile Organic Compounds free (VOC A+).	✓	✓	✓
When laid directly on a low thickness underfloor heating avoids direct anchoring by glue between the heating system and the flooring, making future interventions on the system easier.	✓	✓	

TECHNICAL SPECIFICATIONS

NOMINAL THICKNESS	2 mm
IMPACT SOUND INSULATION IN UNDER SCREED INSTALLATION*	ΔL_w = 17 dB (Isolmant laboratory test report No. 1102/2019)
IMPACT SOUND INSULATION IN UNDERFLOORING APPLICATION*	ΔL_w = 16 dB (Test report Ri.Cert. no.11-3445-0 09)
DRUM SOUND ISOLATION	< 25 sone
THERMAL CONDUCTIVITY	λ = 0,037 W/mK
THERMAL RESISTANCE	R_t = 0.054 m^2K/W **
COMPRESSIVE STRENGTH	127 kPa (0.5 mm deformation)
COMPRESSIVE STRENGTH (%)	Deformation 10% at 96 kPa Deformation 25% at 127 kPa Deformation 40% at 229 kPa Deformation 50% at 313 kPa
COMPRESSIVE CREEP	> 50 kPa (0.5 mm deformation)
DYNAMIC LOAD (DL)	200.000 cycles (a 75 kPa)
CONFORMABILITY (PC)	≥ 1.5 mm

* other tests with specific construction packages are available on the web site sistemapavimento.com
** The use of Isolmant IsolTile is indicated in under floor applications even in the presence of under floor heating. In this case, check that R_t (floor + mattress) ≤ 0.15 m^2K / W.

CAUTION:
these indications are partial, for complete installation instructions it is necessary to consult the technical data sheets on the website ***isolmant.com***



SIZE
Rolls of: h 1 m x L 20 m = 20 m^2

PACKAGING
Individual rolls including installation kit

INSTALLATION KIT
Joint strip: h 7.5 cm x L 20 m*
Flanking strip: h 3 cm x L 20 m**

* During installation, the IsolTile sheets should be laid close without overlapping in order to ensure a continuous insulation layer and avoid acoustic bridges. The joints between the sheets must also be taped with the joint strip provided.

** The IsolTile Classic package includes the flanking strip Fascia Perimetrale Isoltile which is used in under flooring applications to separate the ceramic flooring from the walls. When IsolTile is installed under low thickness screeds ⩽ 3 cm (with or without underfloor heating), if there is not already a flanking strip of the radiant system, it will be necessary to desolidarize the screed from the walls along the entire perimeter using Isolmant Fascia Perimetrale Doppio Spessore (to be purchased separately, not included in the package).

FAQ

EVERYTHING YOU ALWAYS WANTED TO ASK ABOUT ISOLTILE!

Does IsolTile require the use of a special glue?
No. IsolTile does not require the use of special glues; it is recommended to use adhesives suitable for the laying surface and the finish that will be installed; the same adhesive is used both between the screed and IsolTile and between IsolTile and the finish (it is recommended to use a class C2E cementitious adhesive with ceramic and stone finishes and two-component epoxypolyurethane adhesives with wooden flooring). Apply the first layer of glue in the proper quantity using a fine trowel knife (3/4 mm) following the instructions set out by the technical reference standards.

Can I instal IsolTile underneath a large format low thickness tile?
Yes. Nowadays market offers thin large format tiles, which meet the favor of clients and architects. To be defined as "large format" one of the sides of the tile must have a length greater than 60 cm (ref. UNI11493). These finishes require special attention with respect to the installation, to guarantee its duration in time. IsolTile, placed below these finishes, performs the fundamental function of decoupling layer. It also offers a flat laying surface, distributes properly loads and insulates acoustically.

INSTALLATION INSTRUCTIONS

1- UNDER FLOOR APPLICATION

Normally, you should wait 24 hours after you finish the preparation before installing the flooring. However, these are only general guidelines and the installer will decide on the time required for the procedure according to the glue used.
The tiles or parquet (with the exception of solid parquet to be sanded on site) can be glued directly onto IsolTile by applying a suitable layer of adhesive (we recommend using a class C2E cement-based adhesive with ceramic and stone finishes and two components epoxy-polyurethane glues with parquet) laid according to the rules of the art and to the instructions provided by the manufacturer. In particular, the parquet must be laid in suitable temperature and humidity conditions, in strict compliance with the specifications for laying wooden floors. The sector's standards and regulations establish that the laying environment must guarantee environmental conditions within the values of max. RH 45%-60%, T°C 18°C - 25°C, the necessary conditions for maintaining the correct wood/environment balance established by the reference European standard UNI EN 13489:18 (7%+2%). In addition, the screed on which the floor system is laid must have a humidity percentage of no more than <2% in the case of a screed/laying surface without a heating system, <1.7% in the case of underfloor heating. IsolTile is a waterproof covering: adequate drying time of the adhesive must be considered in relation to climatic and site conditions. It is recommended to let the adhesive dry from 36 to 48 hours before grouting the joints.

Can I lay IsolTile in the presence of a heated floor?
Yes. IsolTile can be installed either below underfloor heating systems, both above it. In particular, in case of installation as an underfloor, it is necessary to evaluate that the thermal resistance of the IsolTile + floor finishing package is less than 0.15 m^2K/W. Where a vapour barrier is required the use of IsolTile BV is recommended.

How should I grout the joints?
Before grouting the joints of ceramic floors, make sure that the substrate and the adhesive are completely dry. It is recommended to grout the joints using a specific product according to the type of flooring and the intended use of the room. Class CG2 sealants are suitable for use in residential environments.

How can I lay a new floor on top of an existing one?
IsolTile allows you to lay on an existing floor without need to treat and / or abrade it, with obvious savings of times and costs. In this case we recommend the use of IsolTile AD as its adhesive layer facilitates the work.

2- UNDER SCREED APPLICATION

IsolTile sheets should be glued to the slab, laid close without overlapping in order to ensure a continuous insulation layer and avoid acoustic bridges. The joints between the sheets must also be taped with the joint strip provided. To avoid acoustic bridges, the use of Isolmant Fascia Perimetrale Tecnica Doppio Spessore is recommended. This product should be installed along the entire perimeter of the room without interruption.

ISOLMANT ISOLTILE IS

MODERN:
highly technological and versatile, Isoltile is suitable for low screed systems thickness and under-floor

FULL:
a complete range with three versions that they adapt to different types of application according to the needs of the construction system

VERSATILE:
ideal for all environments (residential, commercial, public, etc.), allows different ways of laying

EASY TO INSTALL:
it is easy to install, also thanks to the kit package with useful accessories (tape and perimeter band)

ISOLMANT TECNASFALTI srl's registered trade mark. All the trademarks in this catalogue are © TECNASFALTI All rights reserved.
Copying, even partially, is forbidden - In force since 01/09/2022 - This document supersedes and replaces all previous versions.

ISOLMANT
A world of acoustic comfort

Follow us

isolmant.com

Contact us **export@isolmant.it**