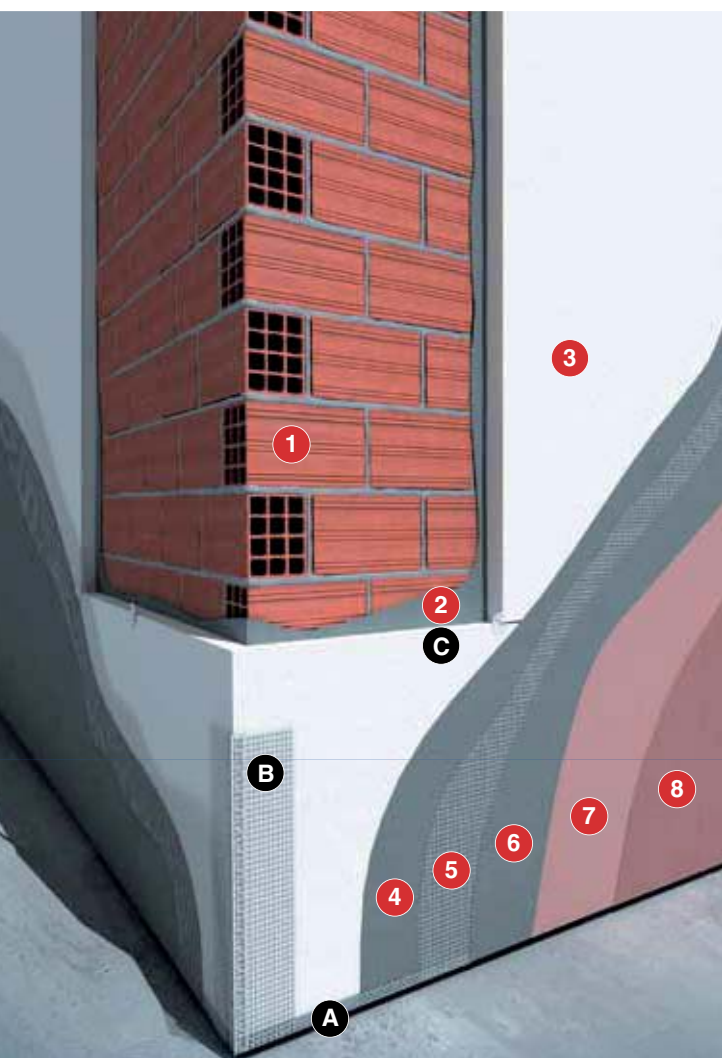




TRADITERM®

Thermal Insulation System

Renovation of facades
in a single application.

Description of the system

It is a system based on EPS panels and **MORCEMCRIL® Acrylic Mortar** finish that provides thermal insulation and improves the aspect of the building.

- A** Starting profile
- B** Corner section with mesh
- C** Anchoring plug
- 1** Base support
- 2** TRADITERM® Mortar
- 3** EPS Panels
- 4** TRADITERM® Mortar
- 5** TRADITERM® Mesh
- 6** TRADITERM® Mortar
- 7** MORCEMCRIL® Background
- 8** MORCEMCRIL®



TRADITERM® Mortar
Hydraulic mortar used as an adhesive and coating for



MORCEMCRIL® Background
High-quality acrylic base, suitable as colouring background for MORCEMCRIL®.



MORCEMCRIL®
Coloured, synthetic mineral coating for waterproofing and decorating all kinds of facades and interiors.



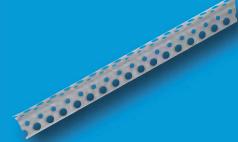
Expanded polystyrene (EPS) panels



TRADITERM® Mesh



Plugs



Profiles



International service
Tel. **+34 957 76 40 40**
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TRADITERM®

SYSTEM

Thermal Insulation System

Renovation or new application of facades
in a single application

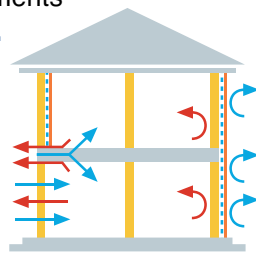


Advantages of the system



Thermal insulation

The TRADITERM® System provides a thermal enclosure that eliminates all thermal bridges and allows meeting CTE requirements in terms of **energy saving**.



	Thickness without insulation (m)	Thermal transmittance without insulation (W/m²K)	EPS thickness (m)	Thickness with insulation (m)	Thermal transmittance with insulation (W/m²K)	% improvement
Render + half foot of hollow brick + gypsum plaster	0.15	2.456	0.04	0.195	0.65	378
Render + one foot of ceramic brick + gypsum plaster	0.275	1.66	0.04	0.32	0.577	288
Half foot of hollow brick + air chamber + double hollow brick + gypsum plaster	0.22	1.394	0.04	0.265	0.541	258
One foot of ceramic brick + air chamber + double hollow brick + gypsum plaster	0.345	1.096	0.04	0.39	0.489	224
Render + half foot of hollow brick + air chamber + double hollow brick + gypsum plaster	0.24	1.357	0.04	0.285	0.535	254
Render + one foot of ceramic brick + air chamber + double hollow brick + gypsum plaster	0.365	1.072	0.04	0.41	0.485	221

Theoretical calculations performed only for the blind portion of the enclosure.
Data source: The CTE's catalogue of construction elements.

Cost savings

With the TRADITERM® system, energy use is reduced by 40% to 60%, which allows recovering the investment in the system in less than 5 years.



It restores the facade and increases the value of the building

Finishing with MORCEMCRIL® Acrylic Mortar allows having a great variety of finishes in different, matchable colours that completely renew the look of the building.

Increase the value



The perfect solution for facade pathologies

Problems with watertightness, cracks, paint peeling, etc. are solved just by installing the system.

Pathologies

THE TRADITERM® SYSTEM

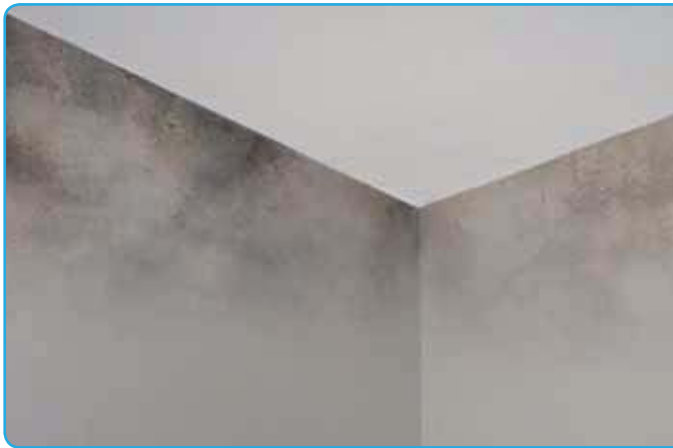


The perfect solution for partition walls

It prevents all moisture, condensation and insulation problems that always appear in partition walls.

Partition walls

THE TRADITERM® SYSTEM



It removes damp patches caused by internal condensation or mould

A waterproof, insulating and breathable system, it prevents the ingress of outside moisture, allows the building to breath and prevents the cold-wall effect such that no condensation and subsequent mould growth occur inside.

Damp patches

THE TRADITERM® SYSTEM



Ideal for the renovation of occupied buildings

It is only installed on the outside of the building and does not affect its use. Therefore, it is not necessary to vacate the building during application.

Renovation

THE TRADITERM® SYSTEM

Building energy rating

The TRADITERM® System plays an active role in the certification of the highest building energy rating.

An officially approved system

The TRADITERM® System is endorsed by European Technical Approval DITE No. 07/0054, issued by the Eduardo Torroja Institute of Building Sciences and valid in all EU member states.

Thermal resistance/inertia

TRADITERM® System increases the thermal resistance/inertia of the building by increasing its insulating mass.

Interior insulation

Exterior Insulation (TRADITERM® System)

Mass A

Mass B

Mass A is smaller than Mass B. Solution B has a higher thermal resistance/inertia.

For more information, please consult the technical data sheets of the products at www.grupopuma.com