

TeMa
Interior
Solutions

TH2 Stop, T-Coboard, T-Art Components for the bathroom

HIGH-PERFORMANCE SOLUTIONS
TO WATERPROOF, BUILD
AND DECORATE THE **BATHROOM**

NEW ADVANCED
SYSTEM



The Company



Products and solutions to build, decorate and waterproof bathrooms and showers

Interior Solutions is a division of TeMa | Technologies and Materials specialised in building solutions for interiors and bathrooms, as well as indoor and outdoor flooring, offering maximum aesthetic and functional performance. TeMa continuously researches new products and technologies stemming from the active involvement of designers and companies and from assisting customers at every planning and execution stage.

Every bathroom should reflect the personality of its users, and achieving this objective is the task of the designers, at whose disposal TeMa Interior Solutions places a vast range of creative solutions, ensuring first-class, long-lasting results. TeMa develops fast, safe and flexible solutions that offer designers the opportunity to meet the comfort and aesthetic requirements of their customers, no matter how complex.

Great attention is paid to making bathrooms accessible for the mobility-impaired, so that everyone can enjoy a pleasant experience with utmost peace of mind.

The TeMa Interior Solutions series is complemented by a range of products to reduce footfall noise and to uncouple the screed and the tiles, as well as to waterproof balconies and terraces. Specific catalogues are available on request.

www.temainterior.com

The Group

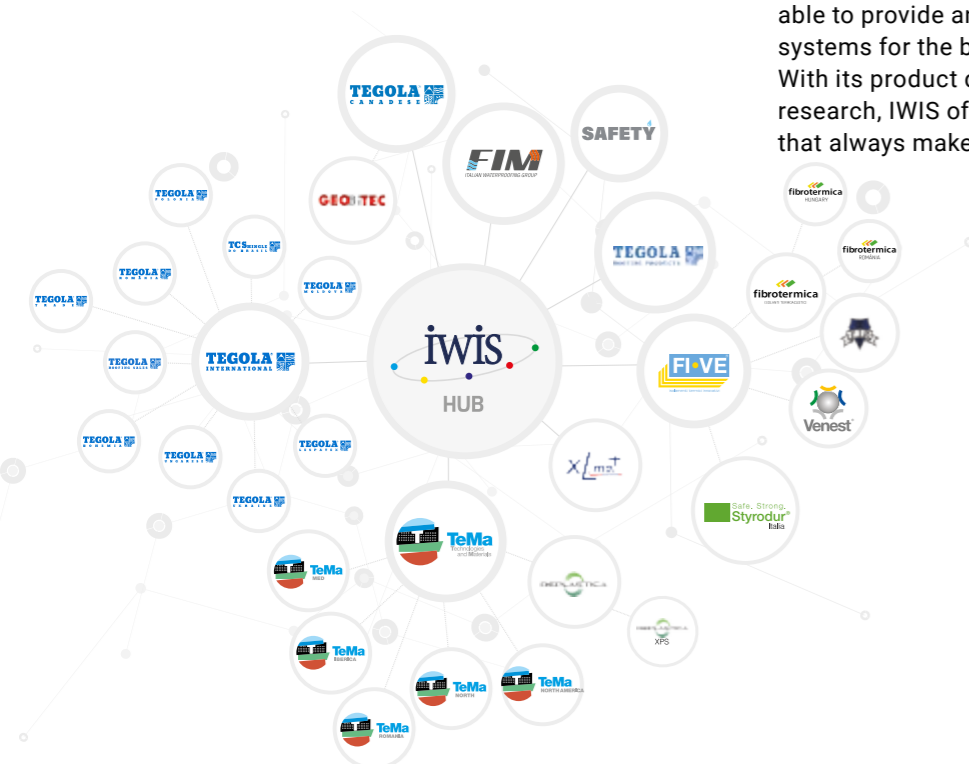


IWIS Insulation Waterproofing Industrial Systems

IWIS is a “thinking holding” established to efficiently manage its member companies, enhancing all aspects of their operation. The synergies achieved thereby benefit all aspects of production, operation and logistics as well as the commercial and research and development activities.

It is called a “thinking holding” because it is a group of companies that understands the critical thinking and ideas necessary to satisfy the diverse expectations and demands from a chain of professionals, retailers, installers and contractors.

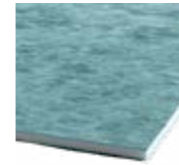
With 15 factories, 11 international subsidiaries, and a global distribution network IWIS provides both technical and sales support in over 70 territories worldwide. It is a truly reliable global supply partner able to provide an extensive range of products and systems for the building and construction industry. With its product development clearly focused on research, IWIS offers products and systems that always make use of the latest technologies.



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T-Coboard



XPS panel coated on both sides to be water and vapour proof.

TH2 Stop



Three-ply waterproof sealing membrane for application under tiles to protect walls and floors from humidity and vapour transmission.

The right to comfort and relaxation

Imagination, aesthetics and functionality

The bathroom is a room devoted to our personal wellbeing and relaxation; the place where we take the time to look after our body. It is natural, therefore, that particular attention be paid to this space, where the key word is "waterproofing". The aim of TeMa Interior is to make the bathroom welcoming yet functional.

Cultural and technological changes give rise to increasingly complex requirements and a wealth of new accessories, such as niches, benches and worktops, to make this corner of the house highly functional and in line with the overall modern aesthetics.

Whether the project involves a new build or a renovation, TeMa Interior Solutions seeks to optimise the bathroom's effectiveness by using materials that are "insensitive" to water so as to avoid the classic problems that afflict this kind of room, including swelling and detachment of plaster or tiled surfaces, water infiltrations and humidity stains.

The bathroom is often synonymous with technical problems connected with high humidity levels, leaks, and noise from flushing, whirlpool pumps, washing machines and dryers.

All the building materials used should meet the highest quality standards in accordance with specific legislation.



Reference Standard

Certifications obtained by TH2 Stop and T-Coboard.

Our TH2 Stop waterproofing membrane has passed the tests required to obtain the American and German certifications

1) American certification obtained by passing the tests required by the following standards:

- ANSI A118.10 Standard specifications for load bearing, bonded, waterproof membranes for ceramic tile and stone installation.
- ASTM E96 Standard test methods for water vapour transmission of membranes and water penetration in accordance with Annex - ASTM C627 Passed the Robinson Wheel Test with the 'Heavy Commercial' rating.

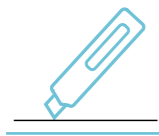
2) German abP certification

T-Coboard and TH2 Stop are awaiting the outcome of the ETA (European Technical Assessment) pursuant to ETAG 022, Class A and C (waterproofing ceramics) in order to obtain the CE marking. The directive concerns watertight covering kits for wet room floors and/or walls. By using T-Coboard or TH2 Stop and their accessories, it is possible to seal the joints between adjacent panels or sheets and all other critical points, thus fully waterproofing the area. For innovative products and for those currently not covered by specific legislation, obtaining a European Technical Assessment (ETA) provides an alternative to EN harmonised standards. This document assesses the suitability of a given product in line with the European Technical Approval Guidelines (ETAG). The ETAG Guidelines are prepared, under EC mandate, by the European Organisation for Technical Approvals (EOTA), made up of national administrations and institutions specialised in the technical assessment of innovative products.



System advantages

TH2 Stop advantages



Ease of processing: elements are cut and shaped as required

Speed of execution: waiting times are eliminated before applying the required coating



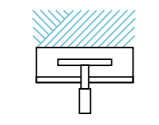
Lightweight materials that are easy to carry

Full **resistance to humidity**



The materials are **odourless**, and they **do not emit volatile organic compounds (VOC) or toxic gases** into the internal or external air

After treatment, the **surface** is totally **renovated**



The ceramic or stone coating (whether natural or synthetic) can be **applied directly** using regular cement-based adhesive

The underlying **substrate** remains **protected and dry**



Acts as a **vapour barrier**

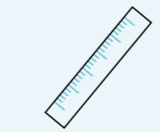
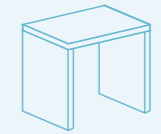


T-Coboard advantages



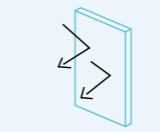
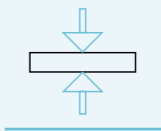
T-Coboard may be used to replace plasterboard

T-Coboard may be used to build self-bearing structures and light partition walls



Every detail is made to measure

Wide range of thicknesses



Thermal insulation

THICKNESS	RECOMMENDED USE
9 mm	To make the wall flush with the existing ceramic tiling
12,5 mm	To replace or join with plasterboard panels
20 mm	To replace single or double plasterboard in wet rooms and for irregular substrates
30 mm	To create partitions, load-bearing furnishing elements
40 mm	
50 mm	
80 mm	



Areas of application

NEW BUILDS

In the construction of new public and private buildings, technological developments and a heightened attention to aesthetics have led to increased compliance with a series of rules and requirements, such as energy self-sufficiency, home automation and optimal user welfare.

TeMa Interior Solutions has developed a series of systems - in particular for bathrooms - that allow the designer to design spaces that were previously unthinkable with the use of traditional materials, and allow the end customer to customise the bathroom in line with their own tastes and requirements.

T-Shower Pan, T-Niche, T-Bench and T-Seat are just some of the prefabricated components available for the rapid creation of a fully waterproofed shower box. Moreover, partition walls in T-Coboard - with its special installation method ensuring an impeccable finish - can create unique spaces that are both harmonious and functional.

In public buildings, designing services with TeMa Interior Solutions means adopting modern systems that guarantee excellent and prolonged hygiene, while also ensuring work times and results are no longer unknown quantities.

RENOVATIONS

When the bathroom renovators move in...any home owner would probably rather move to another planet than face the endless days of work, noise, dust, cement, etc. etc.

With the TeMa Interior Solutions system and materials, bathroom renovations are quick and flexible: an important aspect, whether you are renovating the entire room (relaying the screed, moving the fixtures and lights, or even building a second bathroom) or just some of its elements (minor changes or additions, such as replacing a bathtub with a shower box). And all this with the further advantage of having minimum wall loads in the event of renovating attics.

It is also possible to reduce footfall noise, to install thermal insulation and, in the event of relaying the screed, to accelerate work times by using crack-bridging membranes. Moreover, the area is fully waterproofed and ready for the application of the coating required.

The resulting bathroom will become a feature of the home, whether it reflects the overall style or flaunts a contrasting design. TeMa Interior Solutions delivers highly efficient projects offering an interesting range of aesthetic and functional choices. Moreover, the full benefits of TeMa Interior Solutions reach their pinnacle in public renovations and adaptations to national legislations.

TYPES OF APPLICATION

New builds

Possibility of using prefabricated components

Work times and results are no longer unknown quantities

Renovations

Ease and rapidity of installation in both partial and total renovations

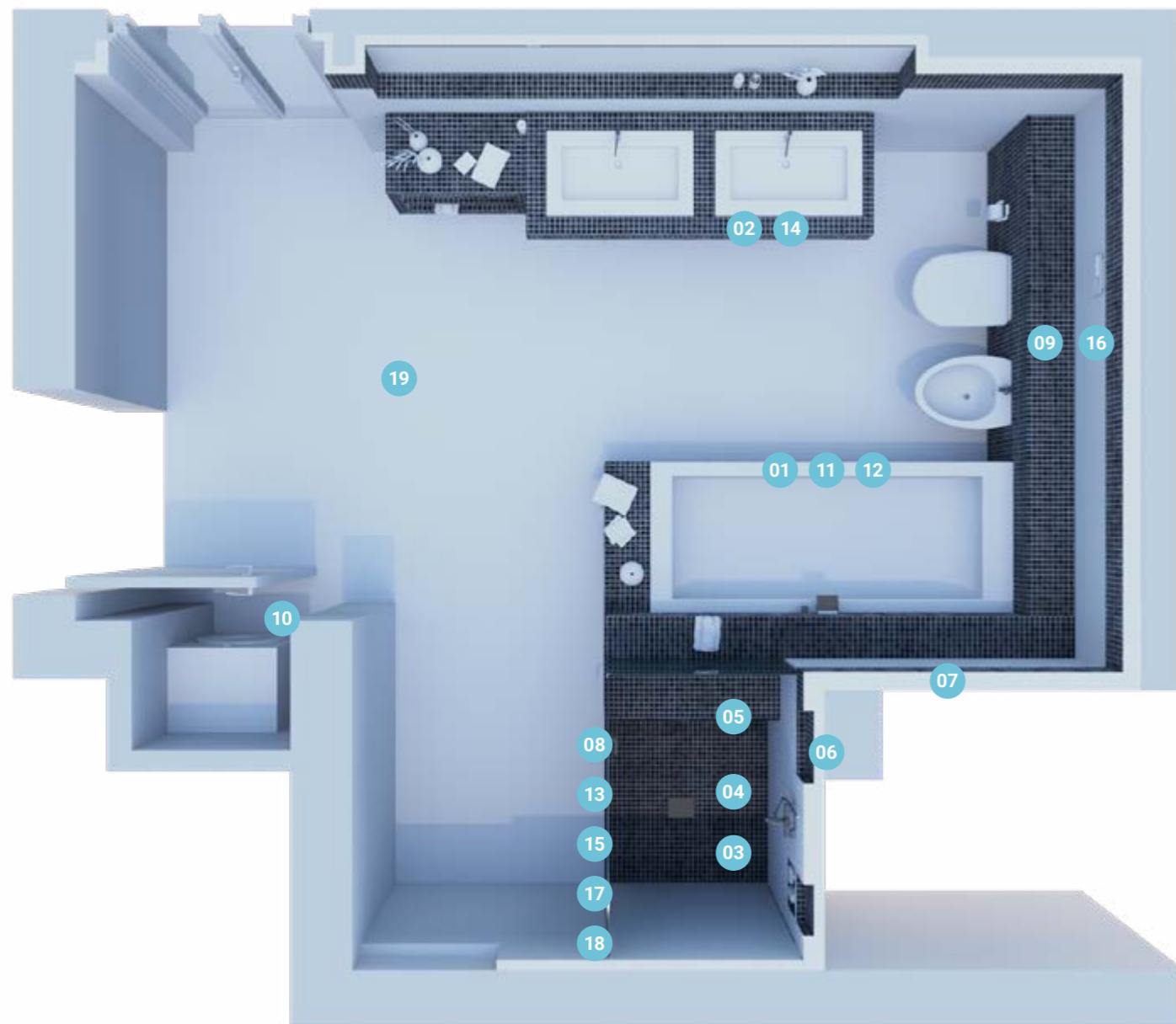
Considerable customisation and adaptation to every situation





The TeMa Interior System

Our solutions for your custom bathroom



The TeMa Interior System

- 01. **Bathtub**
- 02. **Wash basins**
- 03. **Shower**
- Prefabricated shower accessories*
- 04. *Shower pan with linear drain*
Shower pan with point drain
- 05. *Shower bench*
Corner bench - semi-circular
Corner bench - triangular
- 06. *Prefabricated niches*
Niches
- 07. **Partition walls**
- 08. **Platforms**
- 09. **Walls for bathroom fixtures**

The TeMa Interior System *Soundproofing solutions*

- 10. *Creating partitions and soundproofing floors*
- 11. *Coating whirlpool bathtubs and soundproofing floors*

The TeMa Interior System *Solutions for the mobility-impaired*

- 12. *Walk-in bathtubs with a side entry door*
- 13. *Shower pan extensions and ramps*

The TeMa Interior System *Solutions for public toilets*

- 14. *Wash basins for public facilities*
- 15. *Showers for public facilities*
- 16. *Walls for bathroom fixtures in public facilities*

- 17. **Showers**
- 18. **Showers with prefabricated accessories**
- 19. **Disconnecting floor**

Renovation

Products

- T-Coboard**
- T- Art Component**
- TH2 Stop**
- T-Silence**
- No-Crack**

Accessories

- T-Fix**
- T-Bandel**
- T-Corner I-E**
- T-Wall Collar**
- T-Shower Pan**
- T-Niche**
- T-Bench**
- T-Seat**

The TeMa Interior System



The TeMa Interior System 1 bathtubs

Coating bathtubs

When installing a bathtub, every technical detail must be well executed in order to avoid subsequent water leaks, which are complicated and costly to fix. With the TeMa Interior system, it is possible to build self-bearing walls and to waterproof every critical area with the greatest of ease, selecting from a range of ad hoc elements that are extremely simple to use: **T-Corner I / E** for corners, **T-Bandel** for panel joints, and **T-Wall collar** where the drains and water intake systems are. These accessories have the great advantage of being installed and fixed in place with the waterproofing adhesive, **T-Fix**.



T-Coboard

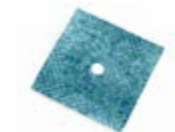
Accessories



T-Bandel



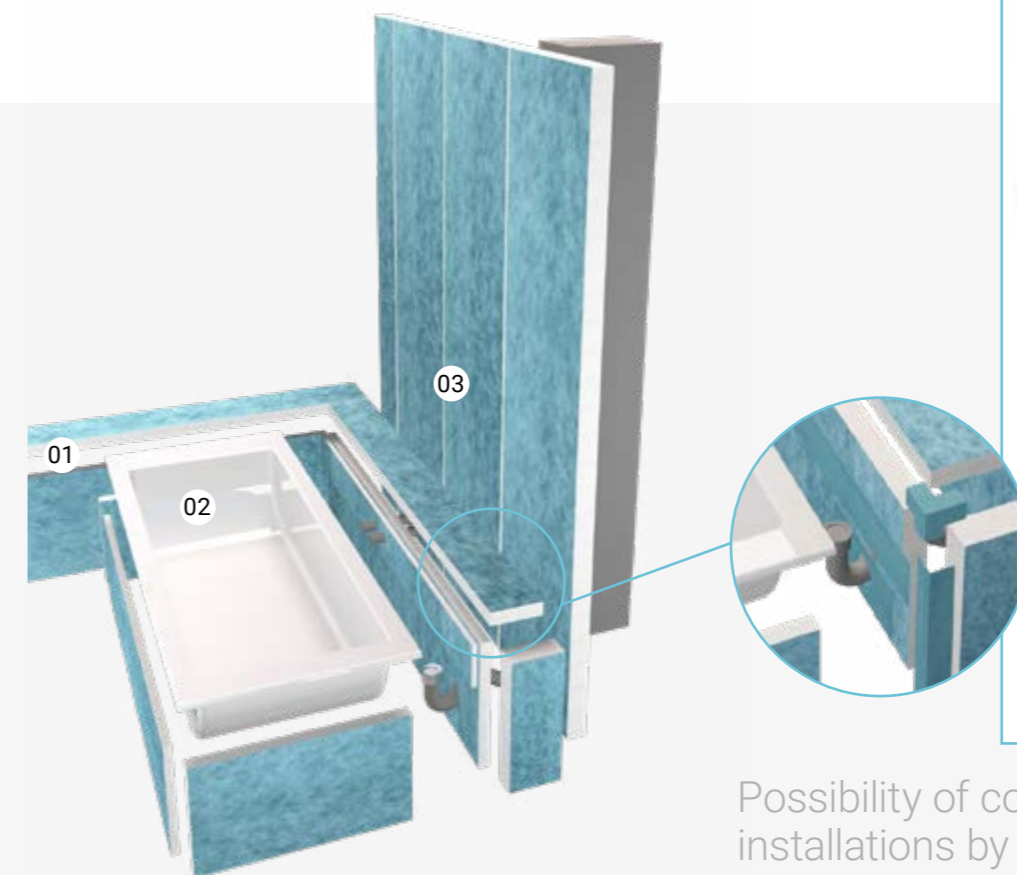
T-Corner I / E



T-Wall collar



T-Fix



Possibility of concealing installations by creating furnishing elements

- 01. **T-Coboard** Bathtub coating
- 02. **Bathtubs**
- 03. **T-Coboard** Creates a wall, a supporting structure or a light partition





Creating wash basins

With TeMa Interior, designers can give free rein to their creativity in developing fully customised bathrooms: the flexibility of the **T-Coboard** panels in different thicknesses and the ease of high-precision cutting make it possible to create fully waterproofed structures and furnishings, managing all critical areas potentially subject to water leaks with accessories such as **T-Bandel** and **T-Corner I / E**. The surfaces obtained can be finished using the materials selected, which can be applied using regular cement-based or resin adhesives so as to achieve flush, fully sealed surfaces. Moreover, the **T-Coboard** panels have an XPS core that provides thermal insulation when used on existing walls.



The TeMa Interior System 2 wash basins



T-Coboard

Accessories



T-Bandel



T-Corner I / E



T-Wall collar



T-Fix

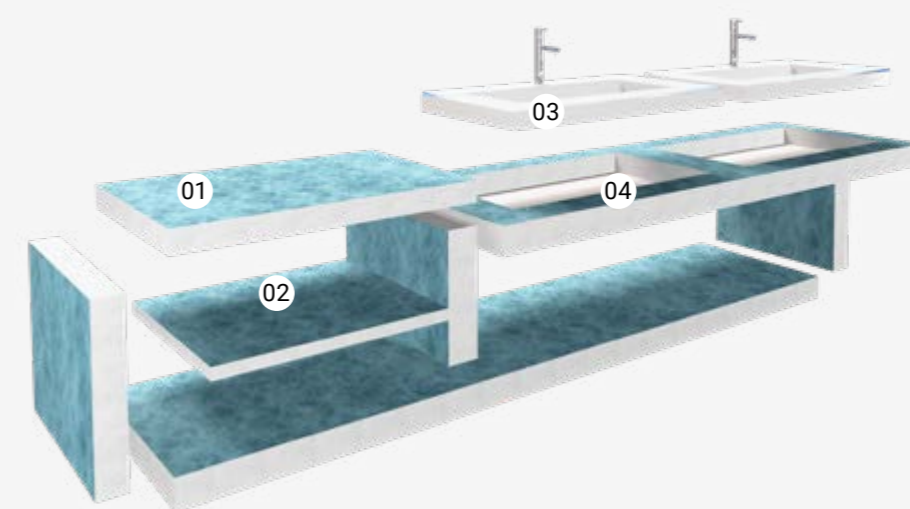


- 01. Existing wall
- 02. Cement-based adhesive
- 03. **T-Coboard** creates a wall with fittings to connect wash basins
- 04. **T-Coboard** compartment for recessed mirror



Thermal insulation feature

** If using spots of adhesive does not guarantee optimal bonding of the panel to the foundation, also use large-head screws.



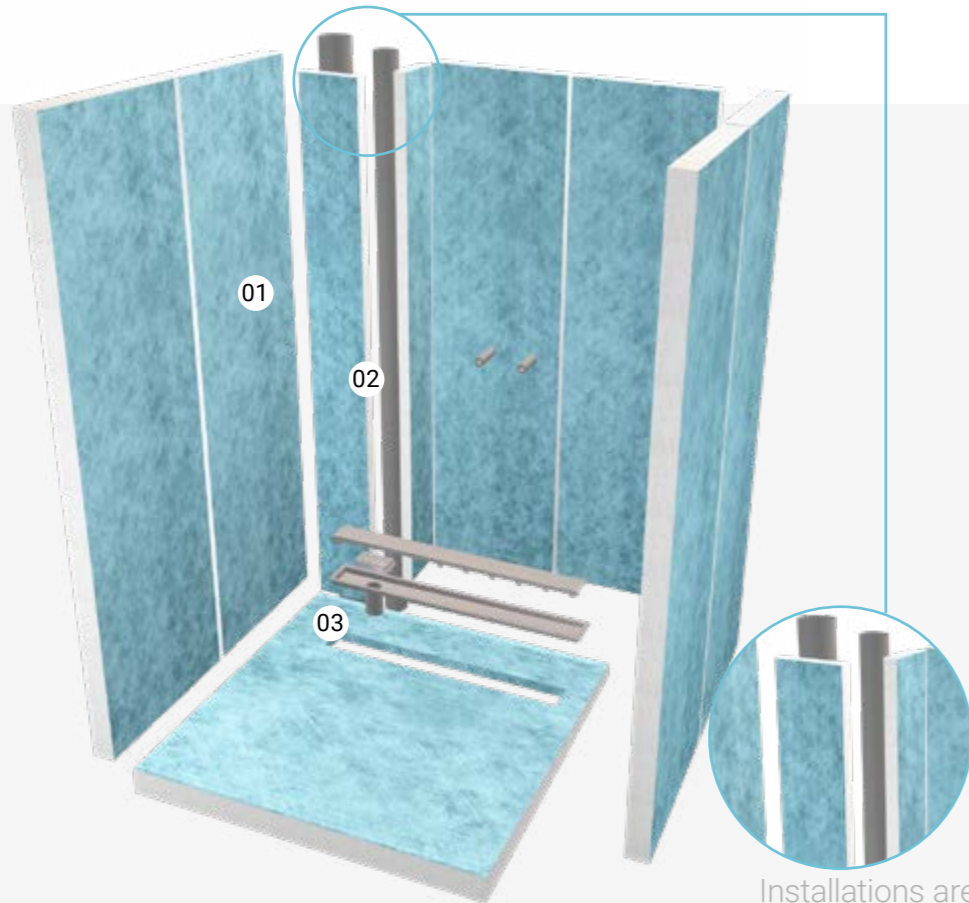
- 01. **T-Coboard** to create worktops
- 02. **T-Coboard** to create shelves
- 03. Wash basin
- 04. **T-Coboard** to insert wash basins



3

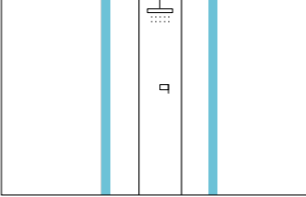
Shower coating

What could be easier than to use a prefabricated shower pan to create a custom shower box in any size required? The **T-Shower pan** comes with a sloped, waterproofed surface and with a drain slot for fast and secure installation. Also, the **T-Coboard** panels come in different thicknesses, suitable to build new walls or to cover existing ones. Finally, using **T-Corner I / E** for the corners, **T-Wall collar** where the drains and water intake systems are, and **T-Bandel** for the panel joints ensures the entire surface is fully waterproof and ready for application of the finish required.



- 01. **T-Coboard** to create a wall
- 02. **T-Coboard** to conceal installations
- 03. **T-Shower Pan** sloping shower pan with linear drain

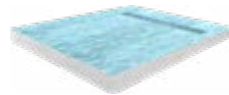
Installations are concealed with minimal loss of space compared to other materials or construction techniques.



The TeMa Interior System 3 shower



T-Coboard



T-Shower pan

Accessories



T-Bandel



T-Corner I / E



T-Wall collar



T-Fix





The TeMa Interior System 4 A
shower pan

Creating a shower pan using prefabricated accessories

T-Shower Pan with linear drain

At TeMa, the continuous search for effective solutions does not jeopardise practical aspects of product installation. The completely prefabricated shower box makes installing a shower extremely easy. The pre-sloped TeMa Interior T-shower pans are supplied with a waterproofing membrane. Moreover, when used with the T-Coboard panels and accessories, the shower box is fully waterproofed and ready to tile.



T-Shower pan

Accessories



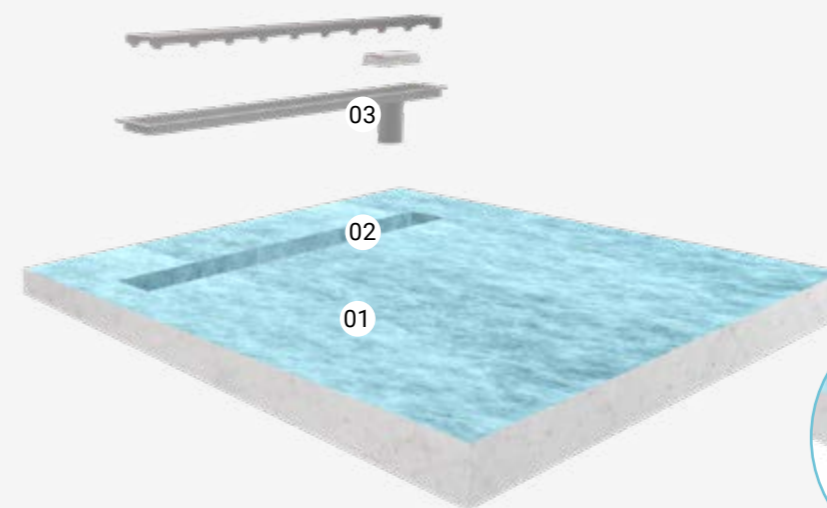
T-Bandel



T-Corner I / E

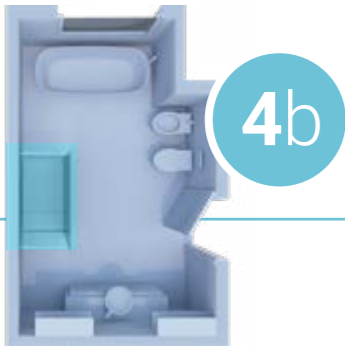


T-Fix



- 01. **T-Shower Pan** Prefabricated, pre-sloped shower pan in XPS, coated with a waterproofing membrane
- 02. Preformed linear drain slot
- 03. Linear drain

Prefabricated element with a maximum thickness of 5 cm at the thickest point

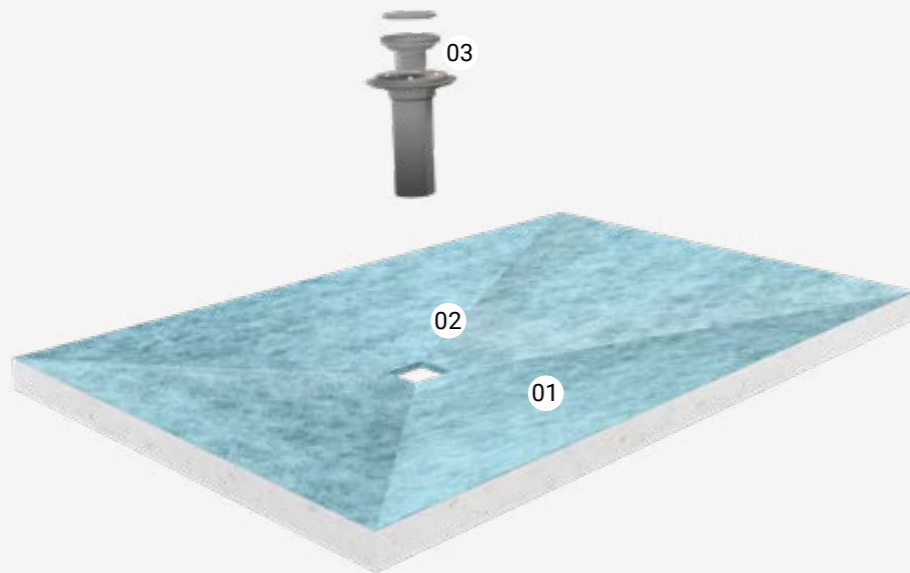


4b

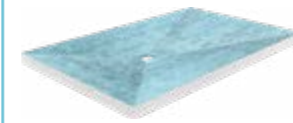
Creating a shower pan using prefabricated accessories

T-Shower Pan with point drain

To those requiring a modern-looking and extremely functional shower, TeMa Interior offers **T-Shower pan**, a panel that is fully ready for installation, without the need to provide the appropriate slope with an underlying substrate in cement-based mortar, as required when using non prefabricated elements. The panel comes with a pre-sloped, fully waterproofed surface and with a slot for either a linear (p. 25) or a point (p. 26) drain, as required by the user. Using adhesive to install the panel makes it possible to finish the surface quickly and with ease, thus obtaining a flush shower pan that is completely integrated with the bathroom floor.



The TeMa Interior System 4 B shower pan



T-Shower pan

Accessories



T-Bandel



T-Corner I / E



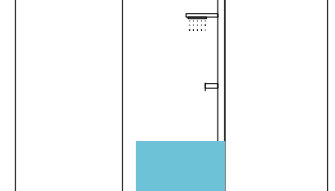
T-Fix



- 01. **T-Shower Pan** Prefabricated, pre-sloped shower pan in XPS, coated with a waterproofing membrane
- 02. Preformed point drain slot
- 03. Point drain



Image © Geromin



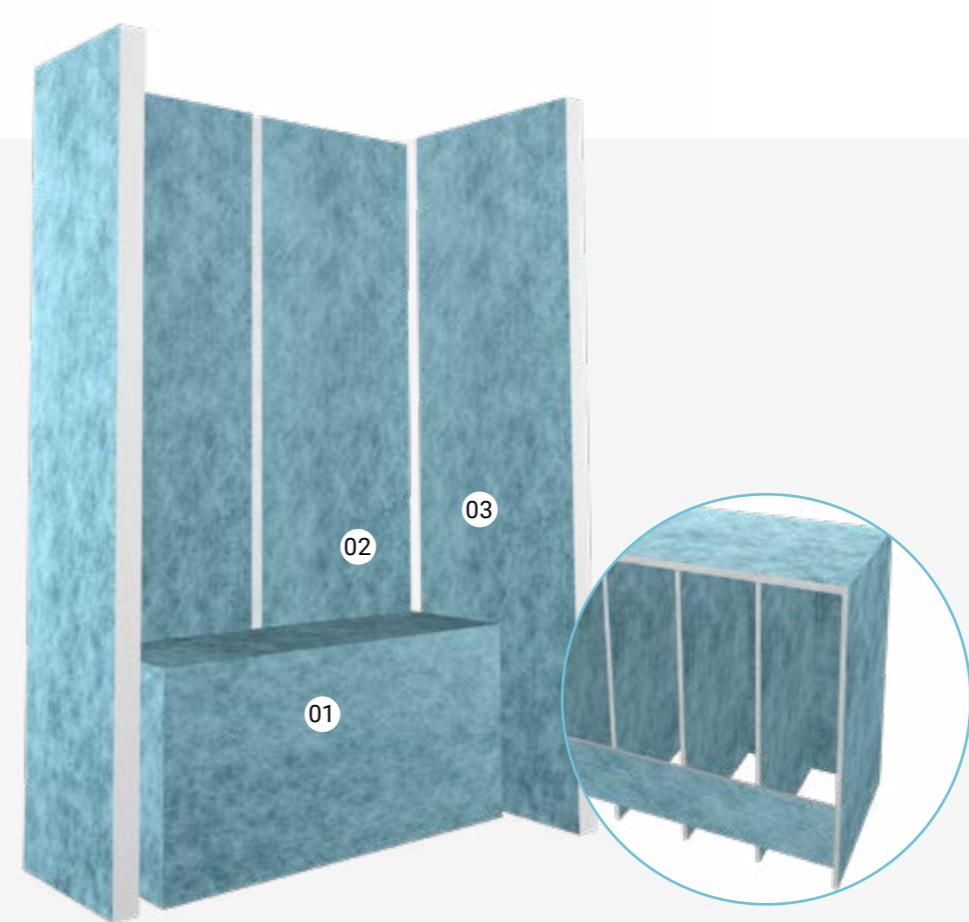
The TeMa Interior System 5 A
shower bench

Creating a shower bench

The convenience of a bench in a shower? Nothing could be easier. The TeMa Interior prefabricated elements ensure effective, long lasting results, in just a few simple steps. The T-Bench is installed instantly, with no dust or dirt. Just add the sealing elements T-Bandel and T-Corner I / E before finishing the seat.



T-Bench



- 01. T-Bench load-bearing bench in T-Coboard, ready to be finished with tiles, etc.
- 02. T-Coboard support wall to which the bench is fixed
- 03. T-Coboard support wall to which the bench is fixed

Rear detail of T-Bench

Accessories



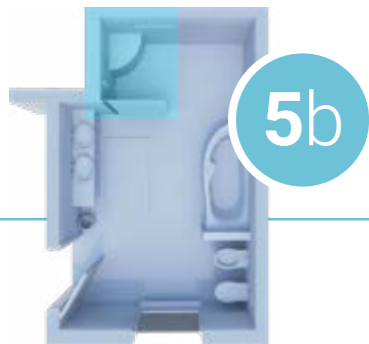
T-Bandel



T-Corner I / E



T-Fix

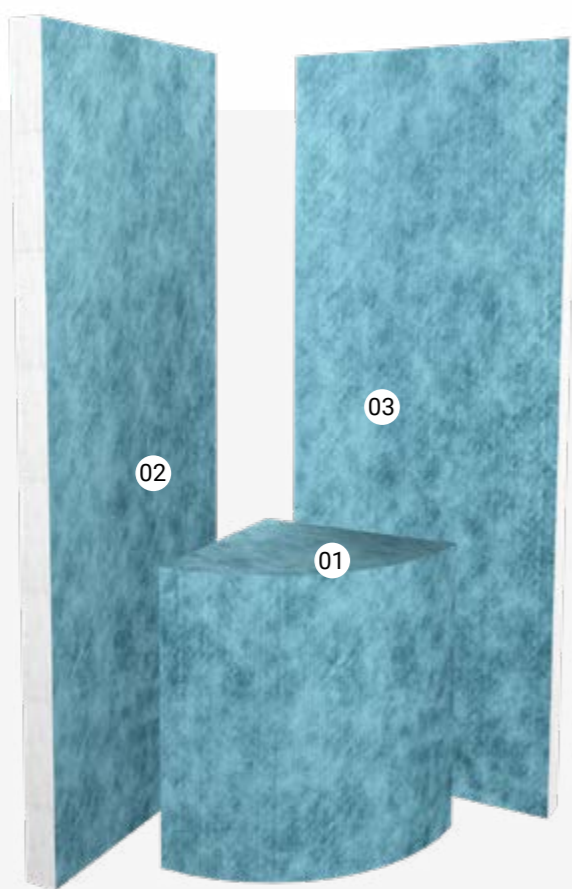


5b

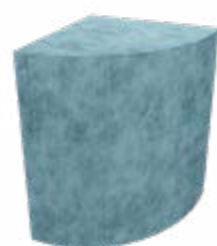
The TeMa Interior System 5 B corner bench

Creating a corner bench

Customising a bathroom couldn't be easier with the wide range of TeMa Interior elements: **T-Seat** is a harmonious seat that integrates fully with the shower box. This fully waterproofed, prefabricated element can be installed instantly and sealed where it comes into contact with the adjacent walls using **T-Bandel** and **T-Corner I / E**. It is now ready to be finished with the required coating, which can be applied using a regular cement-based adhesive.



01. **T-Seat** semi-circular load-bearing seat in T-Coboard, ready to be finished with tiles, etc.
02. **T-Coboard** support wall to which the bench is fixed
03. **T-Coboard** support wall to which the bench is fixed



T-Seat

Accessories



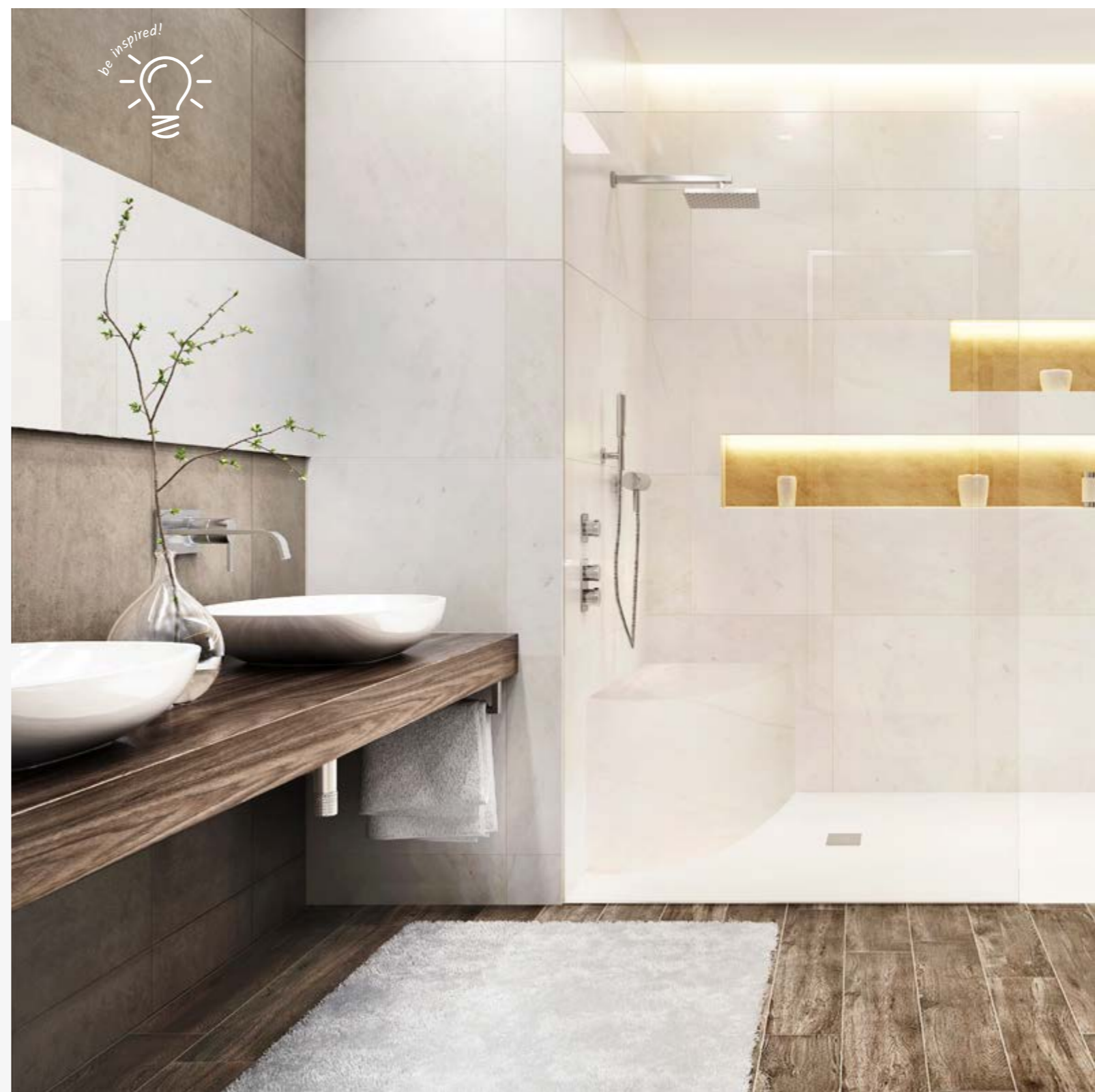
T-Bandel

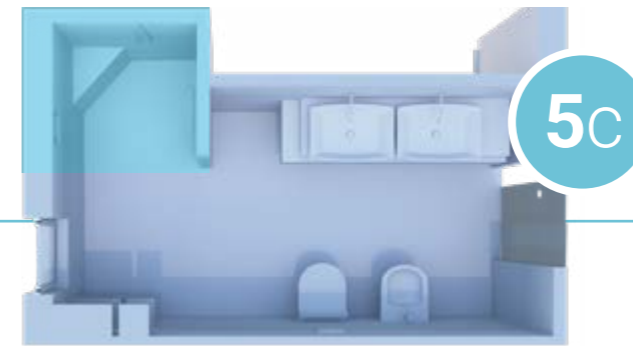
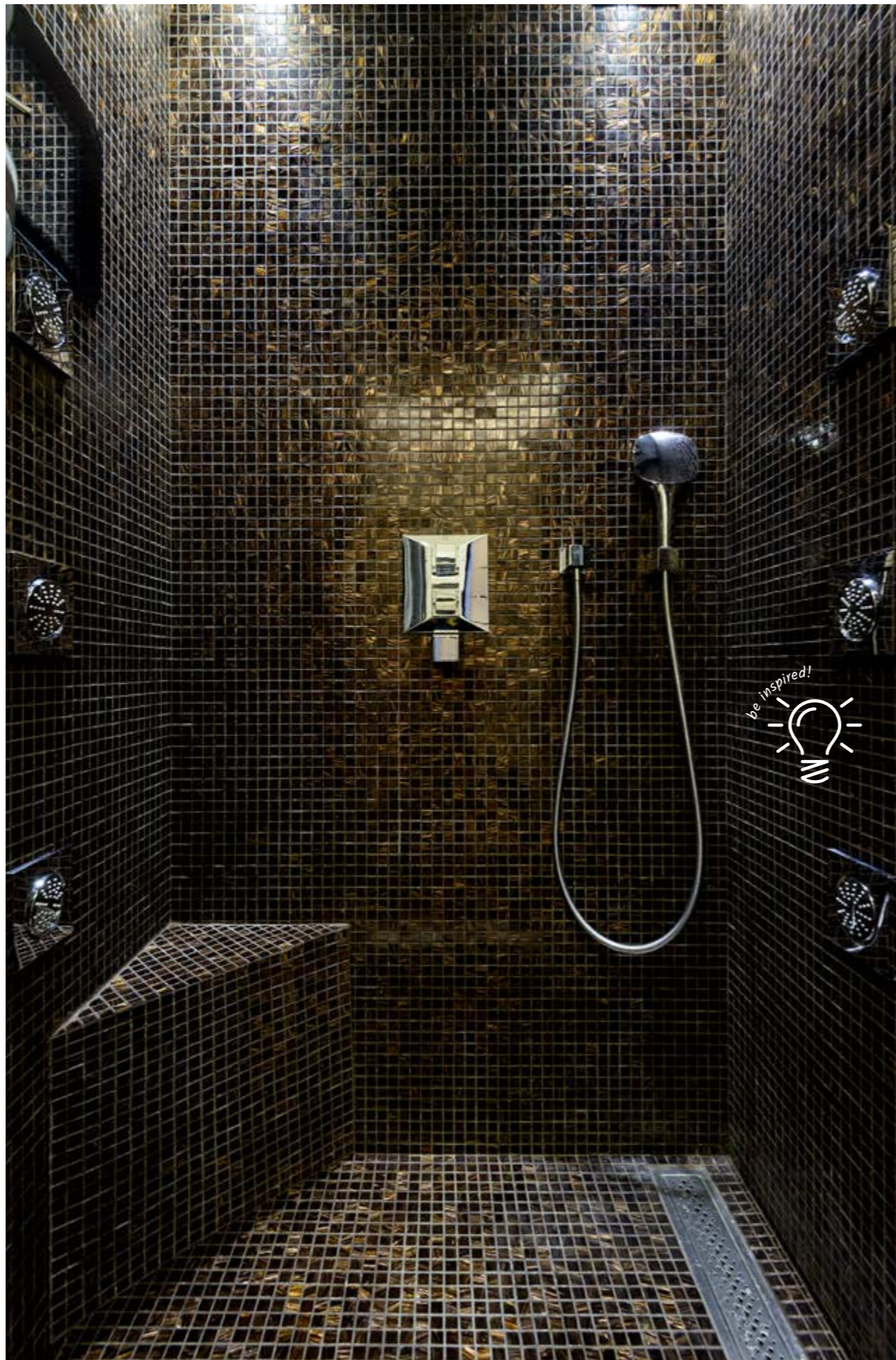


T-Corner I / E



T-Fix

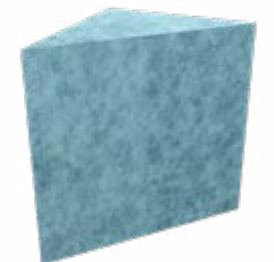




The TeMa Interior System 5 C
corner bench

Creating a corner bench

A special corner for some special 'me' time. Compact and triangular, **T-Seat** provides a resting place in which to free the mind under a jet of hot water. And what's more, this prefabricated element is simple and fast to install.



T-Seat

Accessories



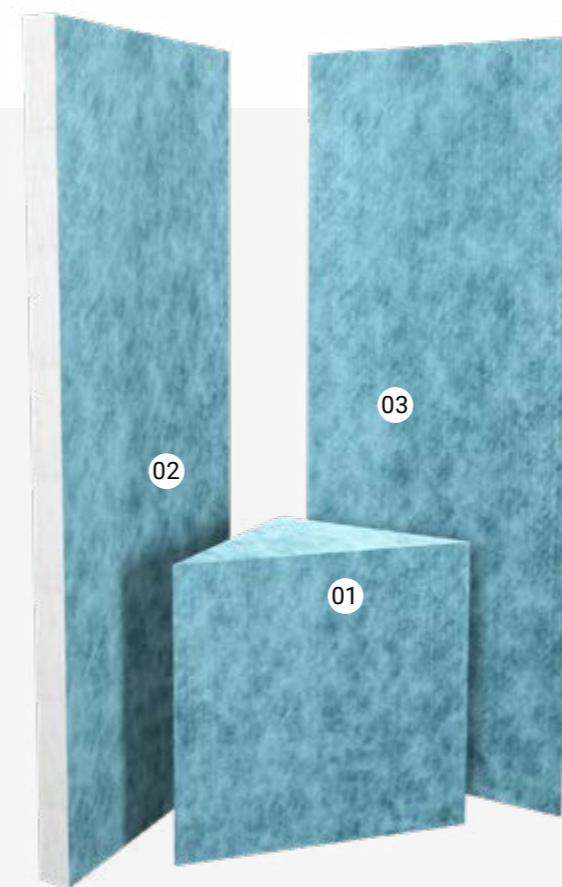
T-Bandel



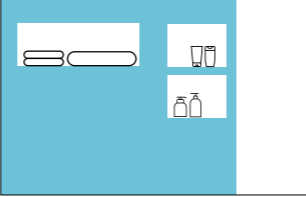
T-Corner I / E



T-Fix



- 01. **T-Seat** triangular load-bearing seat in T-Coboard, ready to be finished with tiles, etc.
- 02. **T-Coboard** support wall to which the bench is fixed
- 03. **T-Coboard** support wall to which the bench is fixed



The TeMa Interior System 6 A
prefabricated niches

Creating niches with prefabricated accessories

A detail characterising the bathroom wall. An opportunity to exploit every space. A fully customisable and extremely functional element. **T-Niche** is a prefabricated, fully waterproofed niche designed to suit every design need and to hold those accessories we like to keep at hand. Application is quick and easy: the prefabricated element is fitted into a previously prepared compartment and screwed in several points, before being fully sealed around the visible perimeter using **T-Bandel**.



T-Niche



T-Niche

Accessories



T-Bandel



T-Fix



- 01. **T-Coboard** wall coating
- 02. **T-Niche** prefabricated elements to build waterproofed niches that can be tiled directly





Creating niches

With the vast range of **T-Coboard** panels in different thicknesses, the combinations are endless, enabling the designer to build extremely personalised and functional bathrooms. Every space, no matter how small, can be exploited at best due to the ease with which individual elements can be matched together or even coupled for greater thickness. Nothing could be easier than to “tailor” the bathroom by cutting and adapting the panels using a simple cutter, performing “clean”, precise incisions with minimum waste of materials. The room is then ready to be finish according to the user’s taste, forming a truly unique and exclusive environment.

*easy
made to measure*

The TeMa Interior System 6 B niches



T-Coboard

Accessories



T-Bandel



T-Corner I / E

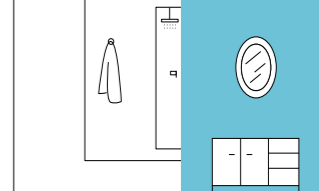


T-Fix



- 01. **T-Coboard** support wall coating to which the elements are fixed
- 02. **T-Coboard** partition wall
- 03. **T-Coboard** wash basin coating
- 04. **T-Coboard** customised niches / shelves





The TeMa Interior System 7 partition walls

Creating partition walls

With TeMa Interior, the customisation possibilities are endless, thanks to the vast range of **T-Coboard** prefabricated panels in different thicknesses, enabling the designer to invent or reinvent the bathroom using self-bearing partitions. The elements can be cut to size using a simple cutter, performing easy, precise incisions with no waste of time or materials. The self-bearing walls are built by bonding the panels with **T-Fix** and sealing them quickly and safely with **T-Bandel**. The elements are installed dry, therefore avoiding endless drying times, as well as all the other drawbacks arising from a traditional building site.



T-Coboard

Accessories



T-Bandel



T-Corner L / E



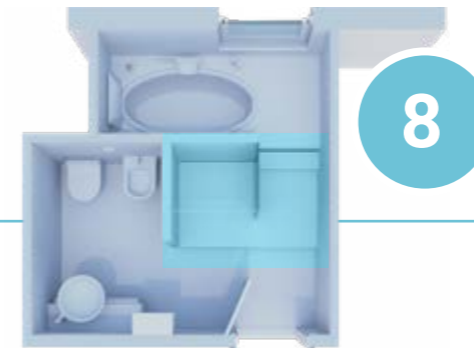
T-Wall collar



T-Fix



- 01. **T-Coboard** partition wall
- 02. **T-Coboard** wall for bathroom fixtures
- 03. **T-Coboard** partition wall
- 04. **T-Coboard** raised step



The TeMa Interior System 8
platforms

Creating platforms

Wherever there is a difference in height, a platform may be required such as the one shown on this page. Screed is laid to form the raised bearing structure. T-Coboard is then installed on this structure as a flat substrate on which to lay the flooring. The surface obtained by the screed and the T-Coboard could be used to install a prefabricated T-Shower Pan. Another idea would be to apply T-Silence dB17, soundproofing under the rest of the bathroom flooring: measuring just 2.5 mm in thickness, it reduces footfall noise by 17 dB. Moreover, the designer can choose whether to preserve the existing floor layers or create a raised floor to be finished with ceramic or stone tiles bonded directly to the soundproofing material.



T-Coboard



T-Shower pan



dB17

Accessories



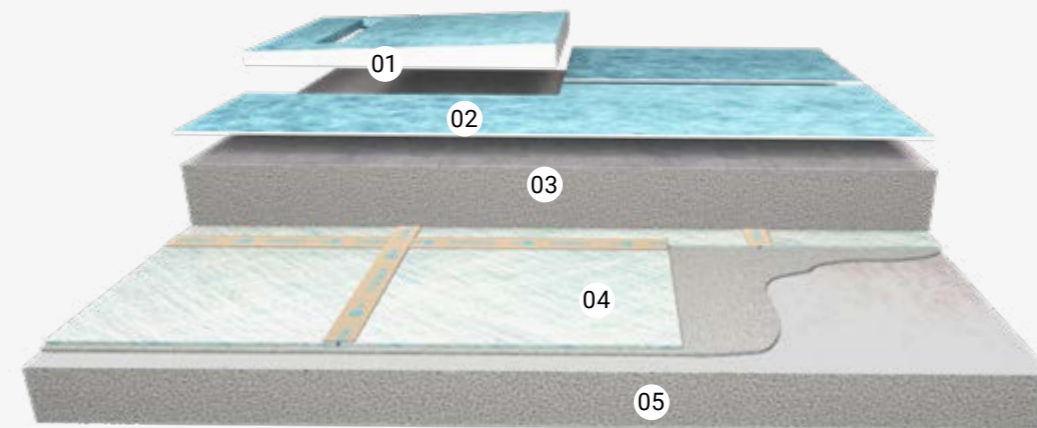
T-Bandel



T-Corner I / E



T-Fix



- 01. T-Shower Pan Prefabricated, pre-sloped shower pan in XPS, coated with a waterproofing membrane
- 02. T-Coboard
- 03. Screed
- 04. T-Silence dB17 Soundproofing
- 05. Screed

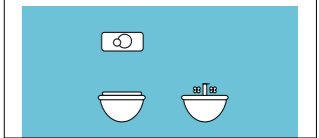


Creating walls for bathroom fixtures

T-Coboard panels, measuring from as little as 20 mm, can be used to conceal the installations of wall-hung bathroom fixtures. These are previously perforated in order to adapt them to the existing installations. This creates functional and attractive walls that are more compact than those built in masonry. The panels are screwed to the metal structure and, if necessary, bonded with **T-Fix**. Full waterproofing is achieved using **T-Corner I / E** in the corners and **T-Bandel** along the panel joints. **T-Wall collar** where the drains and water intake systems are.



01. Structure fastening the bathroom fixtures to the wall
02. **T-Coboard** to conceal installations
03. Bathroom fixtures



The TeMa Interior System 9

walls for bathroom fixtures



T-Coboard

Accessories



T-Bandel



T-Corner I / E



T-Wall collar



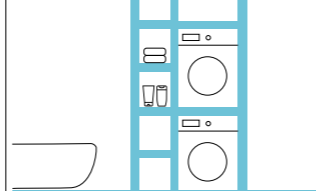
T-Fix



The TeMa Interior System

Soundproofing solutions

TeMa Interior looks beyond merely design-related aspects, tackling less visible yet essential issues, such as the reduction of impact and footfall noise, to ensure absolute user comfort. Bathroom solutions often include the presence of whirlpool bathtubs or electrical appliances such as washing machines and dryers, which can be a source of noise for the rooms beneath the bathroom. TeMa has a ready solution: T-Silence. This range of products can be used for new builds, renovations and when soundproofing without necessarily demolishing the old flooring and/or the underlying screed (unless these are irretrievably uneven and unstable). The execution time is greatly reduced, as no new screed or drying time is required. TeMa Interior transforms the bathroom into something special.



The TeMa Interior System 10
floor soundproofing and partitions

Soundproofing floors and creating partitions

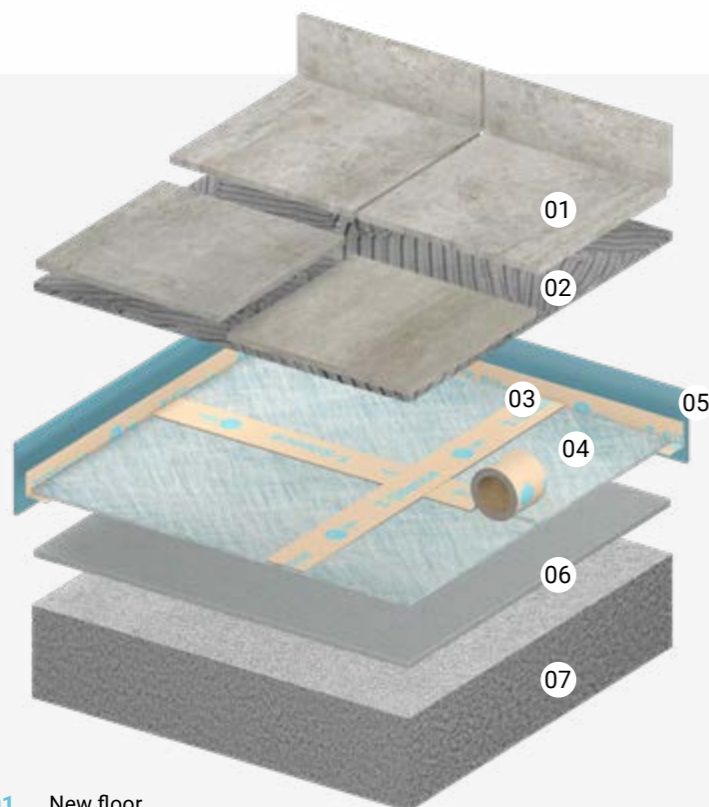
In the presence of noise, for example from household appliances, laying underfloor noise barriers is an added guarantee of comfort. **T-Silence dB21** - a slender panel in polymer sheet coated on one side with a resilient polypropylene non-woven fabric and on the other with spunbond fabric - is truly effective in this regard. The product is designed to be installed on the existing screed or floor and then coated with the required flooring.



T-Coboard



T-Silence dB21



- 01. New floor
- 02. Class C2 cement-based adhesive
- 03. dB-Strip
- 04. T-Silence dB21
- 05. dB Band
- 06. dB Fix
- 07. Existing screed

Accessories



T-Bandel



T-Fix



dB-Strip



dB-Band

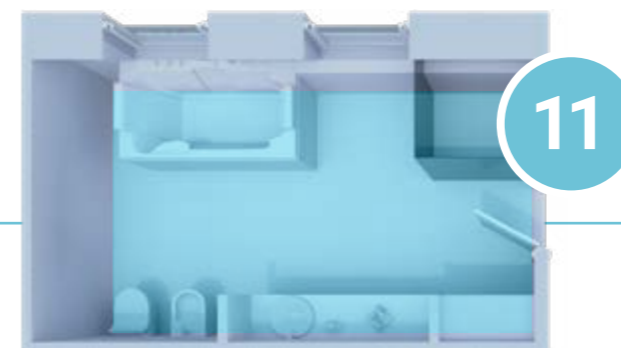


T-Fix

An enclosure for household appliances - a washing machine and dryer, for example - can easily be built using 80mm-thick **T-Coboard**, panels, which are particularly durable and capable of supporting heavy loads. The panels are screwed in and, if necessary, bonded with **T-Fix**. Full waterproofing is achieved using **T-Corner I / E** in the corners and **T-Bandel** along the panel joints. **T-Wall collar** where the drains and water intake systems are.



- 01. T-Coboard customised niches / shelves
- 02. Soundproofing system (see p. 46)



The TeMa Interior System 11
whirlpool bathtub

Coating whirlpool bathtubs and soundproofing floors

If the whirlpool bathtub is where you relax, TeMa Interior is on your side. Installed underneath the floor and measuring just 7.5 mm in thickness, **T-Silence dB21** serves as an effective sound barrier, reducing noise by 21dB. Instead, to uniform the bathtub coating with the rest of the room, 20mm-thick **T-Coboard** panels form the ideal substrate, ready to be tiled. The panels are bonded using **T-Fix**, while full waterproofing is achieved using **T-Corner I / E** in the corners and **T-Bandel** along the panel joints. **T-Wall collar** where the drains and water intake systems are.



T-Coboard



T-Silence dB21

Accessories



T-Bandel



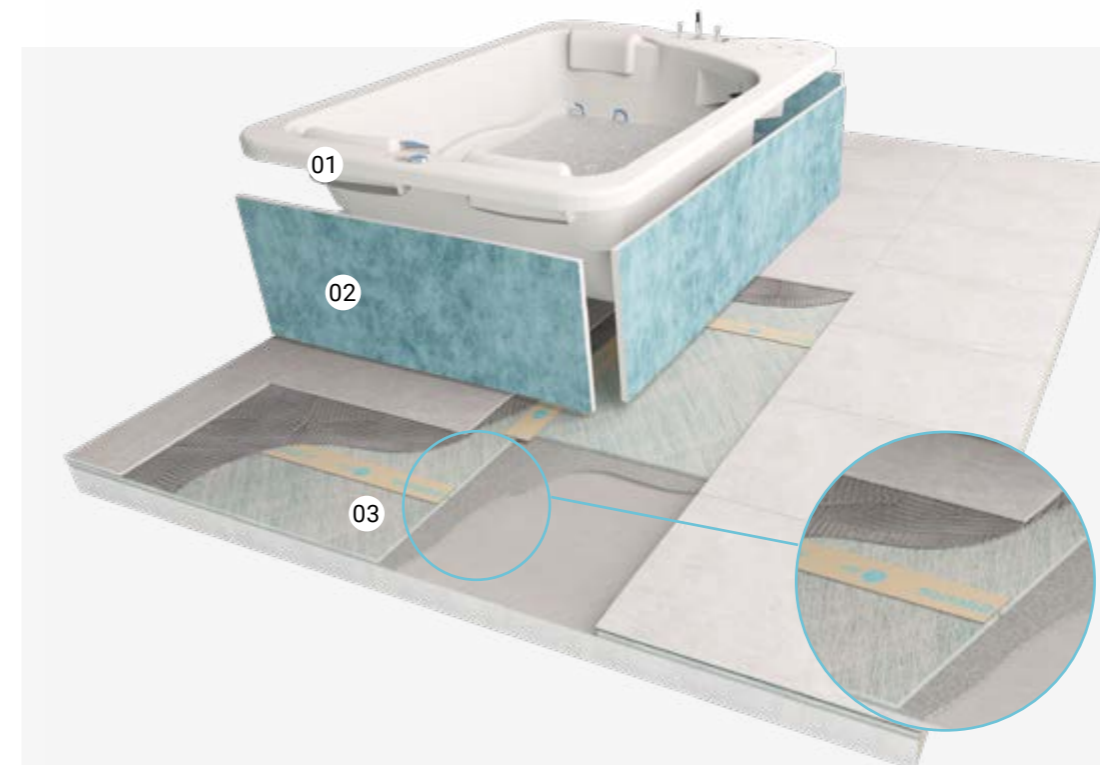
T-Corner I / E



T-Wall collar



T-Fix



Soundproofing under the bathtub

- 01. Whirlpool bath
- 02. T-Coboard to coat the bathtub
- 03. Soundproofing system (see p. 46)



The TeMa Interior System

Solutions for the mobility-impaired

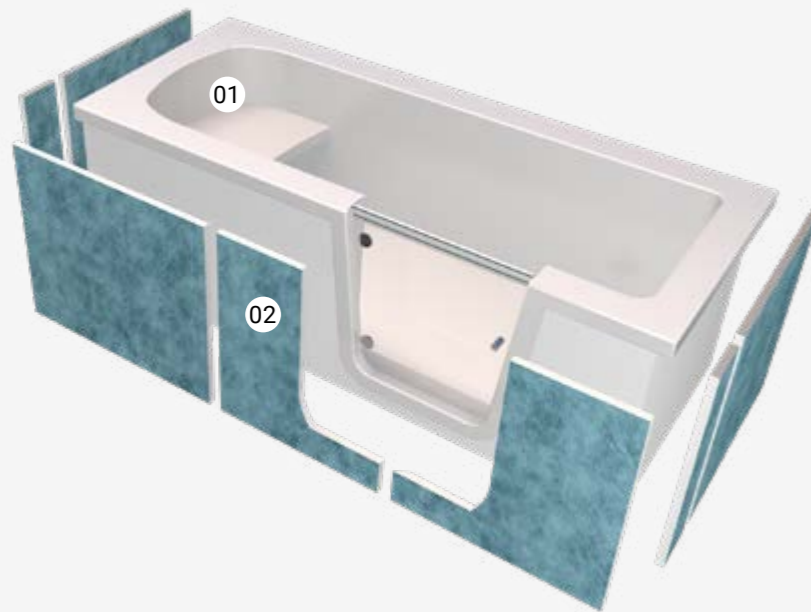
The idea of a bathroom that is accessible to everyone and suited to the needs of the mobility-impaired, and therefore free of architectural barriers, are issues that are particularly dear to TeMa Interior, which it resolves with highly functional and attractive solutions. TeMa Interior believes that accessible bathrooms can also be attractive, and not necessarily characterised by the usual stereotypical design. Ease and speed of installation, without having to resort to major renovations or adaptations, are further aspects that make the TeMa Interior System so effective.



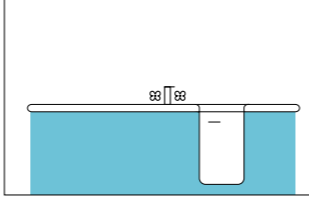
12

Creating walk-in bathtubs with a side entry door

If the existing bathtub needs to be adapted or replaced to meet special mobility needs, it is worth considering a walk-in bathtub with a side entry door. TeMa Interior transforms a potentially inharmonious bathroom element into a fully integrated part of the overall design: simply cover the bathtub with 20mm-thick **T-Coboard** panels, and then tile or resin-coat them as the user requires. The panels are bonded using **T-Fix**, while full waterproofing is achieved using **T-Corner I / E** in the corners and **T-Bandel** along the panel joints. **T-Wall collar** where the drains and water intake systems are.



- 01. Walk-in bathtub with a side entry door
- 02. **T-Coboard** to coat the bathtub



The TeMa Interior System 12 bathtub with a side entry door



T-Coboard

Accessories



T-Bandel



T-Corner I / E

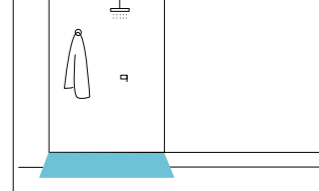


T-Wall collar



T-Fix





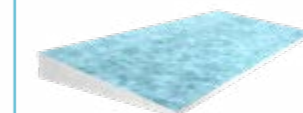
The TeMa Interior System 13

Shower pan extensions and ramps



Shower pan extensions and ramps

Overcoming height differences is the most frequent problem faced by the mobility-impaired. Legislation specifies the solutions that can be adopted, and ramps are undoubtedly the most versatile and inexpensive. Moreover, what makes ramps particularly appreciated by users is their universal nature. TeMa Interior offers the totally waterproofed, prefabricated **T-Ramp**, which can be installed immediately without the need for demolition and reconstruction work. Once again, TeMa Interior offers easy, inexpensive solutions that can be finished according to the user's personal taste.



T-Ramp

Accessories



T-Bandel



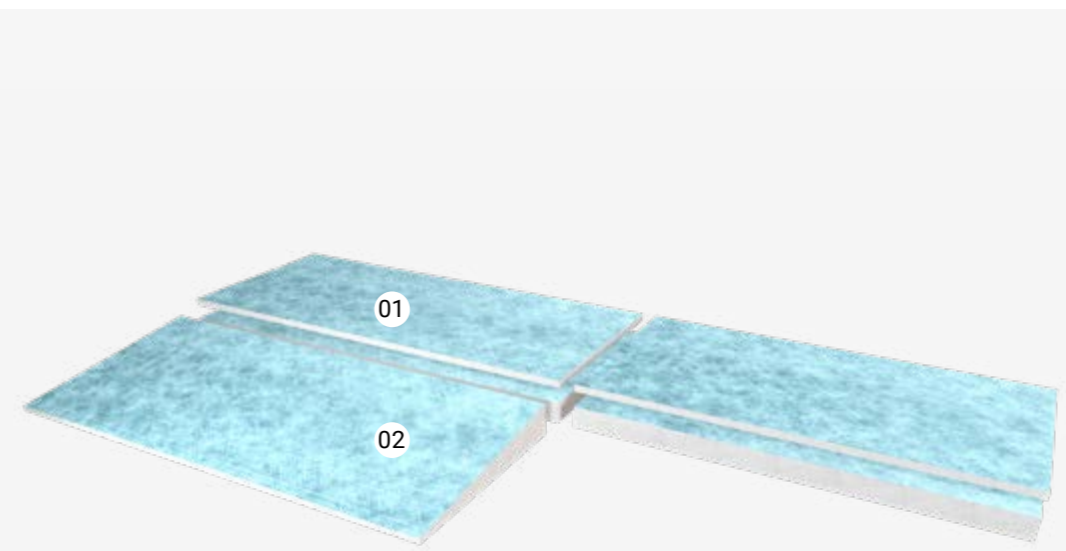
T-Corner I / E



T-Wall collar



T-Fix



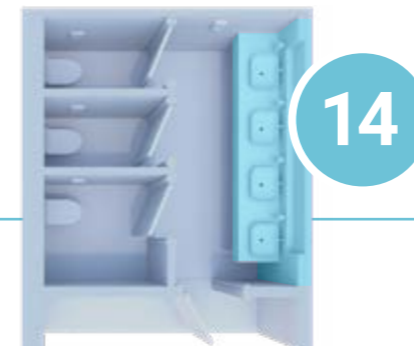
- 01. **T-Coboard** to level the area between the ramp and the raised shower
- 02. **T-Ramp** connecting the floor and the raised shower

The TeMa Interior System



Solutions for public toilets

The TeMa Interior prefabricated panels can be used to build large facilities, flexibly and adapting quickly to the specific situation. Sturdy and durable, they are the ideal choice for projects involving public facilities. Any space built using TeMa Interior elements stands out for its design and functionality.



14

The TeMa Interior System 14
wash basins for public facilities

Creating wash basins for public facilities

Durability and design are the essence of such projects. Facilities built using TeMa Interior elements are capable of withstanding the wear-and-tear that occurs in high-traffic environments, without excluding pleasant or sophisticated aesthetics. Coupling **T-Coboard** panels of various thicknesses makes it possible to design and create countless combinations extremely rapidly and instantly ready to be tiled or resin-coated, with no drying times. The panels are bonded to the existing wall using cement-based adhesive, while full waterproofing is achieved with **T-Corner I/E** in the corners and **T-Bandel** along the panel joints, using **T-Fix** adhesive. **T-Wall collar** where the drains and water intake systems are.



T-Coboard

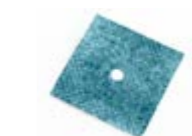
Accessories



T-Bandel



T-Corner I / E



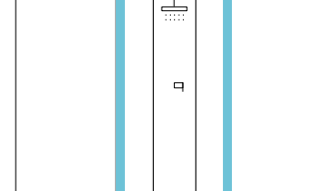
T-Wall collar



T-Fix



- 01. Existing wall
- 02. **T-Coboard** creates a wall with fittings to connect wash basins
- 03. **T-Coboard** compartment for recessed mirror
- 04. Wash basin
- 05. **T-Coboard** to insert wash basins



The TeMa Interior System 15

showers for public facilities



T-Coboard

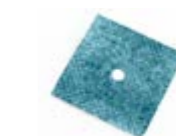
Accessories



T-Bandel



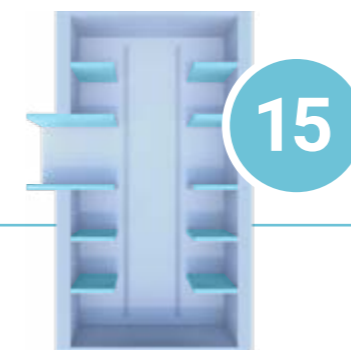
T-Corner L / E



T-Wall collar

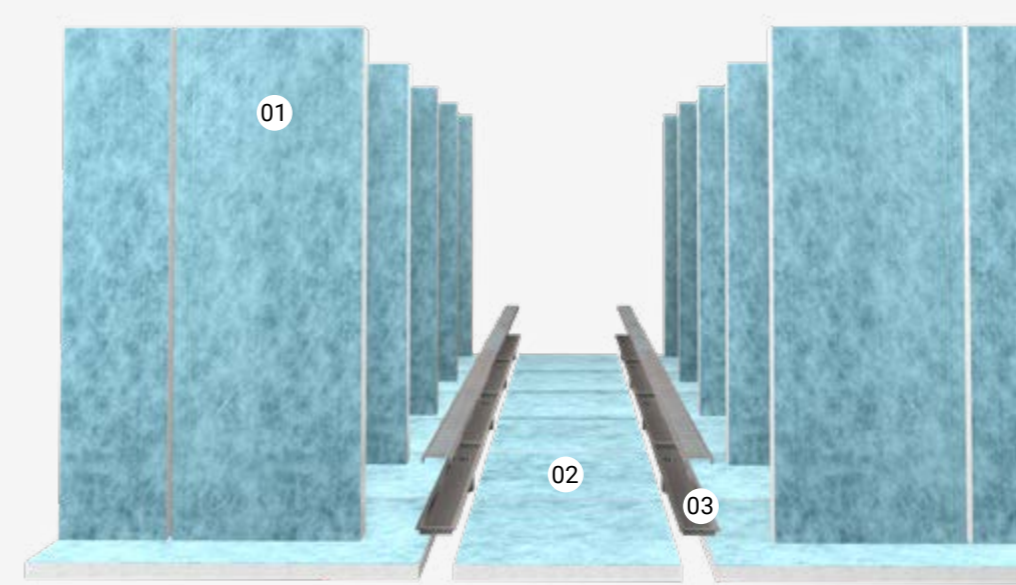
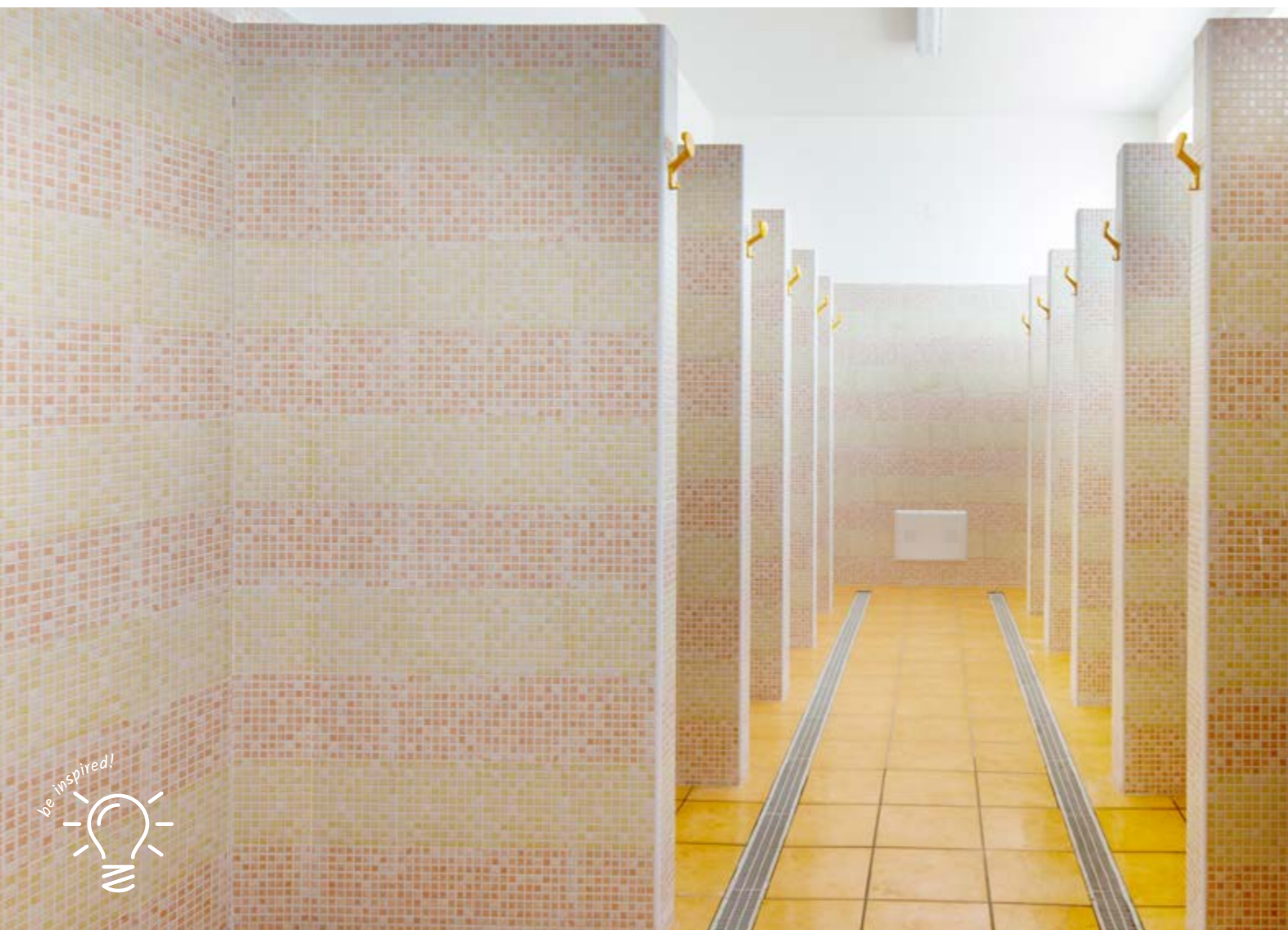


T-Fix

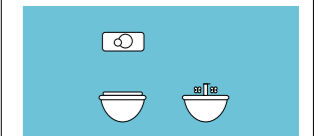
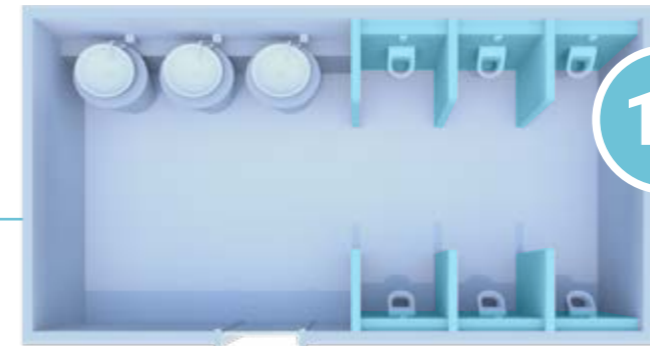


Creating showers for public facilities

This type of project deals with many issues which, if not properly resolved right from the design stage, can result in expensive repair work. Such projects must make use of durable materials and full water and vapour proofing, especially in wet rooms T-Coboard prefabricated panels in XPS, coated on both sides to be water and vapour proof, are the perfect solution to guarantee the long term function and finish of such environments. The panels are fastened using adhesive, while full waterproofing is achieved with the accessories T-Corner L / E in the corners and T-Bandel along the panel joints and around the cuts, using T-Fix adhesive. T-Wall collar where the drains and water intake systems are.



- 01. T-Coboard Partition walls between showers
- 02. T-Coboard Flooring between showers
- 03. Drains



The TeMa Interior System 16
installing bathroom fixtures in public facilities

Creating walls for bathroom fixtures in public toilets

The prefabricated **T-Coboard**, panels, measuring from as little as 20 mm, can be used to conceal the metal structures supporting the wall-hung bathroom fixtures and their installations. These panels are fastened using large-head screws and **T-Fix** adhesive. Self-bearing partitions can be built either using single 80mm panels or by coupling multiple panels to achieve the thickness required. The surprising ease with which individual panels are cut enables precise results adapted to every space. Full waterproofing is achieved with the accessories **T-Corner I / E** in the corners and **T-Bandel** along the panel joints and the cuts, using **T-Fix** adhesive. **T-Wall collar** where the drains and water intake systems are.



T-Coboard

Accessories



T-Bandel



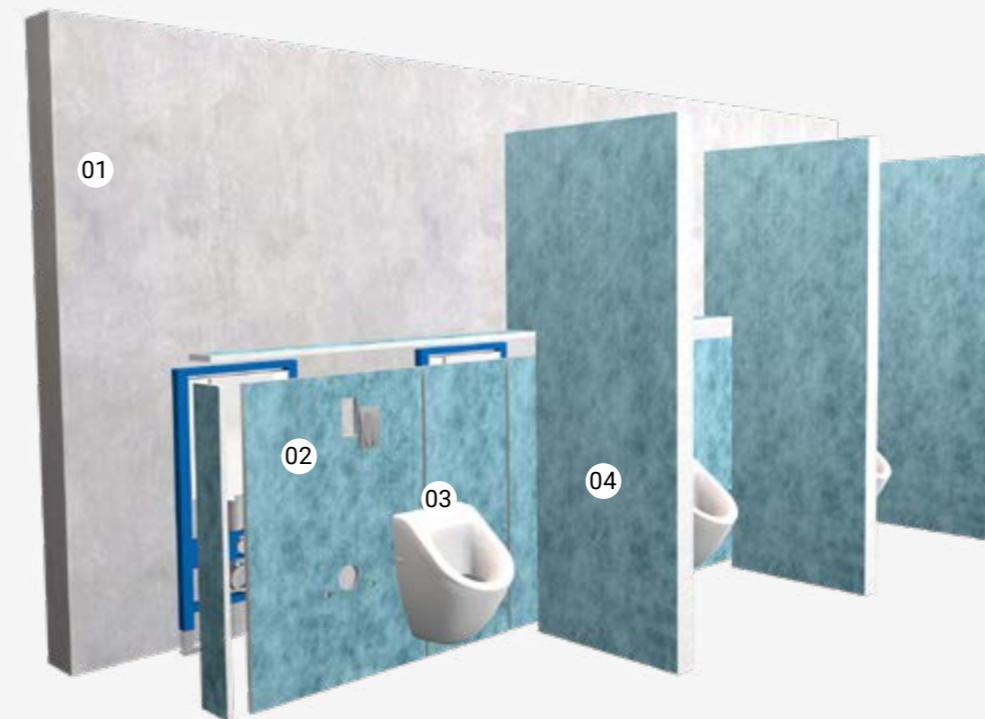
T-Corner I / E



T-Wall collar



T-Fix



- 01. Structure fastening the bathroom fixtures to the wall
- 02. **T-Coboard** to conceal installations
- 03. Bathroom fixtures
- 04. **T-Coboard** partition wall



The TeMa Interior System

Renovation solutions

Renovating the bathroom without affecting liveability: this is the spirit underlying the range of products developed by TeMa Interior. Demolition is a big part of any renovation project. With TeMa Interior, the demolition phase is reduced to a minimum or even removed entirely, with significant savings for the home owner. Panels are cut and installed with ease, very quickly and without creating dust or dirt. Make life simple, renovate with TeMa Interior.

Renovations

DESIGN PHASES

Renovating with TeMa Interior means giving a room a complete face-lift, and adapting it to the user's needs and taste.

Renovation projects can give a room a complete face-lift, adapting it to the user's needs and taste. Whether private or public, the bathroom should be more than just a pleasant environment. Technical and functional solutions need to be long lasting, so as to make the room pleasant to use in the long term. It is not just about choosing the right tiles or bathroom fixtures, but about making the right 'underlying' choices, so as to guarantee the ongoing comfort and salubrity of such environments. The extensive range of TeMa Interior products offer technology and functionality at the service of aesthetics.





The TeMa Interior System 17 shower

Shower coating

The shower can be waterproofed quickly and efficiently simply by applying **TH2 Stop** on a bed of regular cement-based adhesive, both on the wall and on the floor. This three-ply waterproof sealing membrane can be applied under tiles to protect walls and floors from humidity and vapour transmission. Full waterproofing is achieved by using the **T-Fix** adhesive to secure the accessories **T-Corner I / E** in the corners and **T-Bandel** along the joints between the sheets of **TH2 Stop**. **T-Wall collar** where the drains and water intake systems are. On completion, the selected coating (tiles, etc.) can be laid directly on the **TH2 Stop** sheets using regular cement-based adhesive.



TH2 Stop



- 01. **TH2 Stop** Wall coating
- 02. **TH2 Stop** Shower base coating
- 03. Linear drain

Accessories



T-Bandel



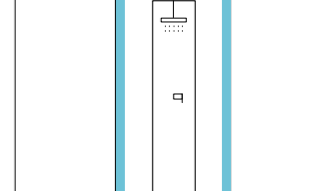
T-Corner I / E



T-Wall collar



T-Fix



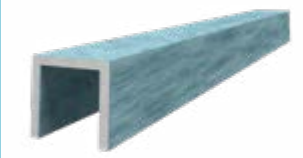
The TeMa Interior System 18 shower

Creating showers with T-Curb

TeMa Interior offers specific prefabricated, waterproofed elements to build a physical barrier between the shower box and the rest of the bathroom. In particular, **T-Curb** is a base element that is bonded to the floor and along the length of the shower pan. The next step consists in applying cement-based adhesive and overlaying **T-Curb** with **T-Curb Overlay**. The element is now ready for tiling, so as to fit in seamlessly with the rest of the bathroom. Speed and ease of execution, guaranteed.



T-Curb



T-Curb Overlay

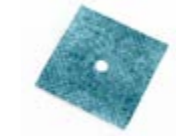
Accessories



T-Bandel



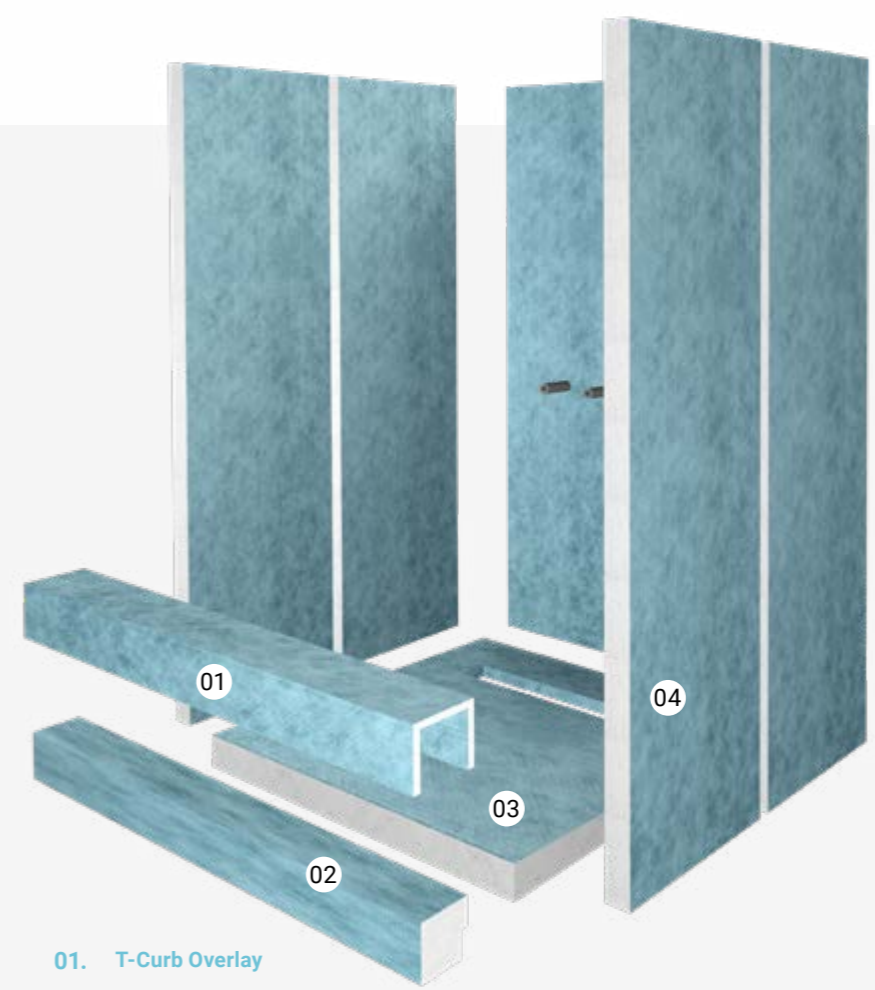
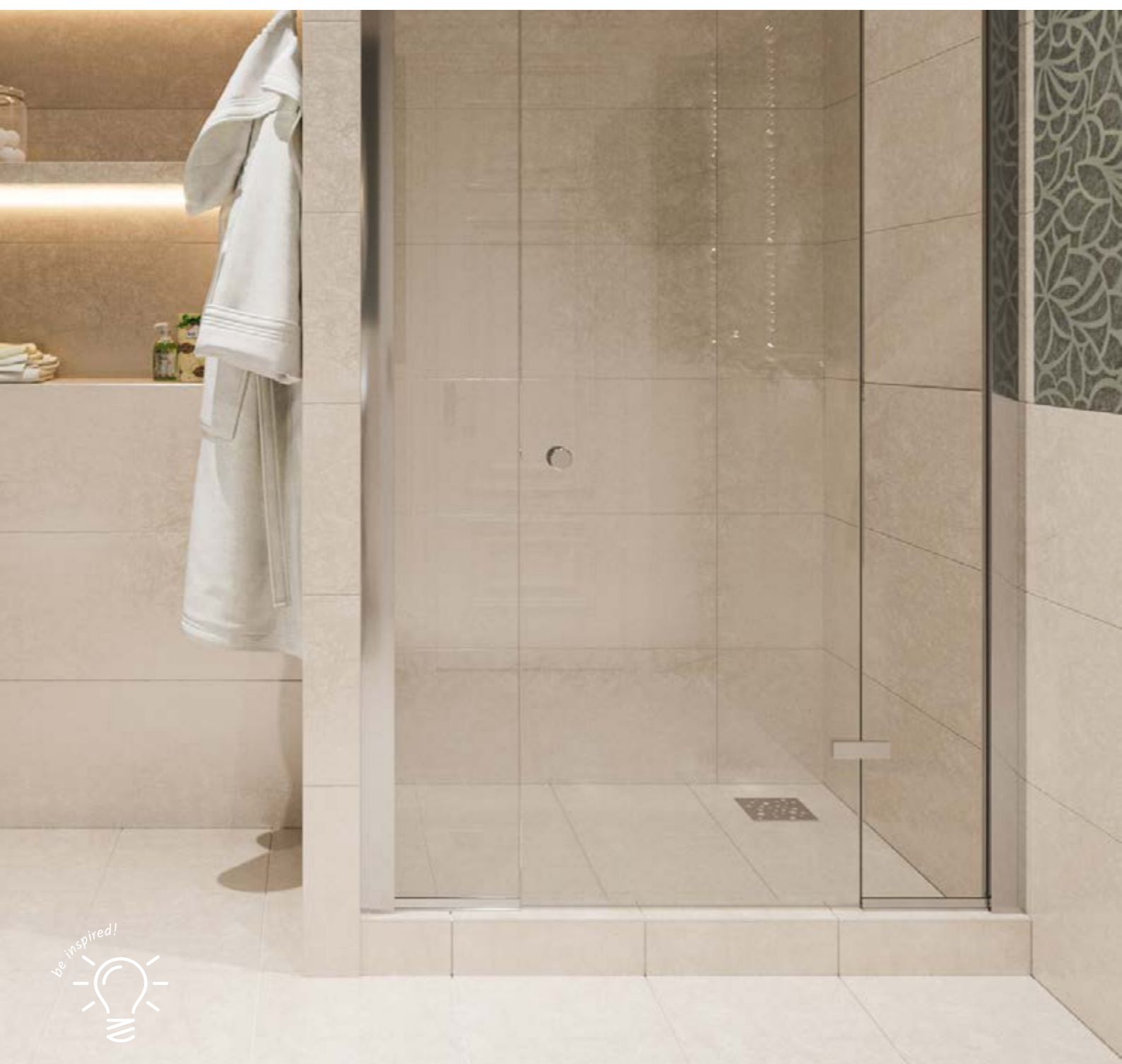
T-Corner I / E



T-Wall collar

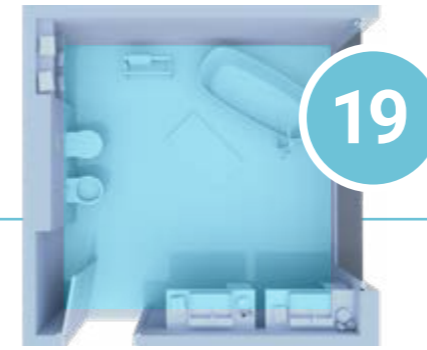


T-Fix



- 01. T-Curb Overlay
- 02. T-Curb
- 03. T-Shower Pan
- 04. T-Coboard





The TeMa Interior System 19

Bridging floor cracks

Creating substrates

The bathroom floor, no matter how beautiful or refined, is subject to extreme stress that can affect its durability and aesthetics. TeMa Interior looks beyond merely visible, aesthetic aspects, tackling those 'underlying' issues that can hide nasty surprises when technically inefficient. Cracks in the substrates due to hygrometric screed shrinkage or to friction between the screed and the floor can rise and affect the ceramic coating if this is not properly protected. The problem can be solved by using the crack-bridging membrane **No-Crack**, whose studded structure neutralises the transmission of underlying stresses, thus preventing the cracks from rising towards the floor.



No-Crack

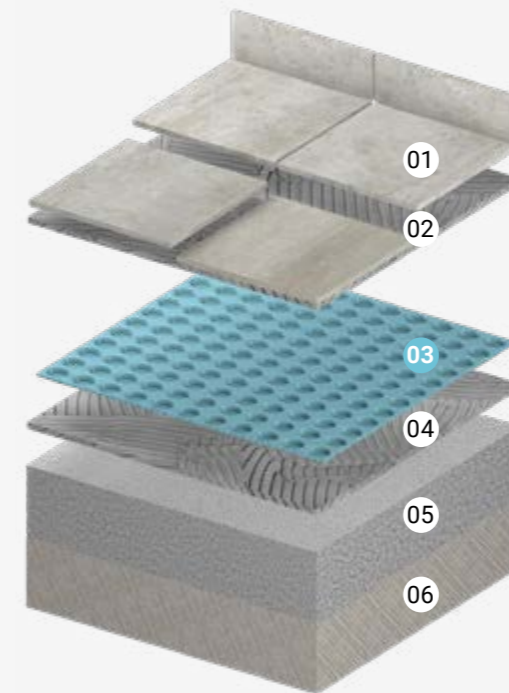
Accessories



T-Bandel



T-Fix

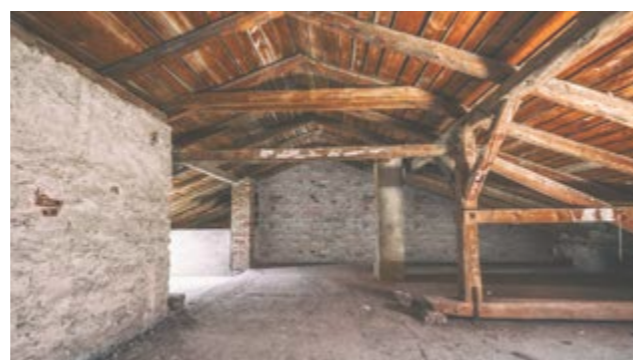


- 01. New flooring
- 02. Class C2 cement-based adhesive
- 03. **No-Crack**
- 04. Class C2 cement-based adhesive
- 05. Screed
- 06. Floor slab



ENCHANTING ATTIC SPACES

The charm of renovating an old attic, enhancing the sloped ceilings and existing openings. The pleasure of an unexpected, light-filled loft, with no unnecessarily intrusive or heavy loads.





Functionality, comfort and a choice of finish that reflects the personality of the owner are essential requirements. What lies beneath, however, is a different story entirely, and contributes to achieving our modern-day quality of life. Ready-made shower pans, niches and benches just waiting to be installed. Walls that protect against humidity. Floors that isolate from footfall noise.

With its materials and technology, TeMa Interior Solutions opens up new interesting design scenarios and simplifies installation.



The TeMa Interior System

INSPIRATION

emotion

lifestyle

MOOD

This overview of TeMa Interior concludes with - or, indeed, opens up - a series of images of pleasant, personalised bathrooms that reflect the personality of their creators; bathrooms that represent not only functionality and luxury but which are also aesthetically appealing. Because TeMa Interior inspires and expresses our innermost selves.





Image © Emilgroup





Image © Emilgroup





Image © Geromin



Image © Geromin

The installation of T-Coboard differs slightly depending on whether it is laid on flat substrates or metal struts

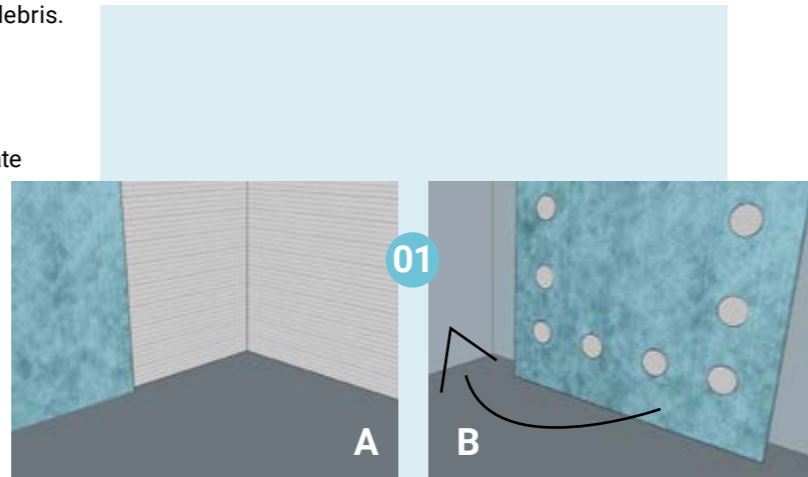
T-Coboard

Application on flat substrates

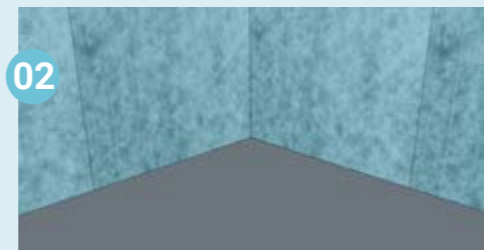
Clean the underlying substrate of dust and debris.

01 A. INSTALLATION WITH A FULL LAYER OF ADHESIVE:
Apply a thin layer of adhesive onto the substrate or the panel using a serrated spatula (cement-based adhesive in accordance with EN 12004);

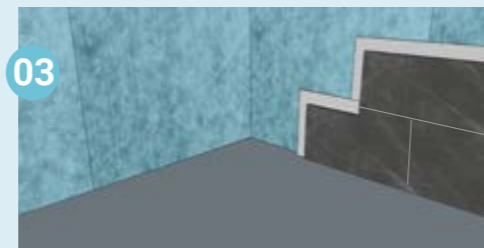
B. INSTALLATION WITH SPOTS OF ADHESIVE:
Apply spots of adhesive on the panel roughly every 30 cm.



02 Place T-Coboard on the substrate, pressing down on the bed of mortar to ensure complete coverage of the adhesive across the entire surface.*



03 Align the panels and lay the tiles immediately using a serrated spatula chosen based on the size of the tiles. Use thin-bed adhesive meeting the needs of the type of coating required.



T-Coboard can be installed on concrete, on plastered or coated walls, on masonry...and can, in turn, be coated with tiles, natural stones and spreadable materials.

** When installing T-Coboard on tiled walls, bond with adhesive and then fasten the panel corners with large-head screws.*

T-Coboard

Application on metal struts

Clean the underlying substrate of dust and debris.

01 Fasten T-Coboard using screws of sufficient length such as to screw into the metal structure by 10mm. For fixed wooden structures, the screws should screw into the structure by at least 20mm. The distance between screws should not exceed 25cm.

02 When installing the panels vertically, place them at the centre of the struts and secure them. When installing the panels horizontally, seal all the joints that are not in direct contact with the fixed structure using T-Fix adhesive.

03 Lay the tiles immediately using a serrated spatula chosen based on the size of the tiles. Use thin-bed adhesive meeting the needs of the type of coating required.

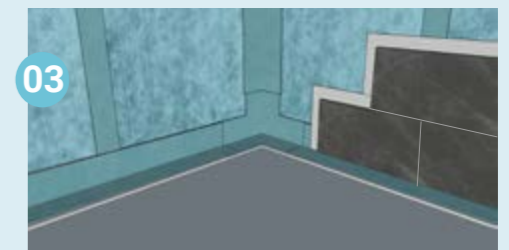
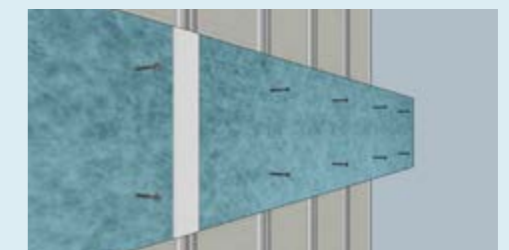
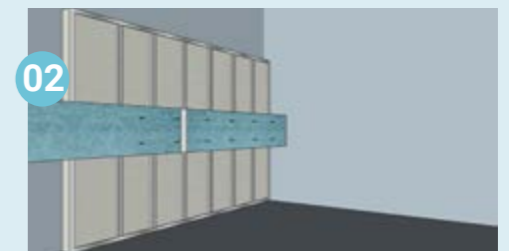
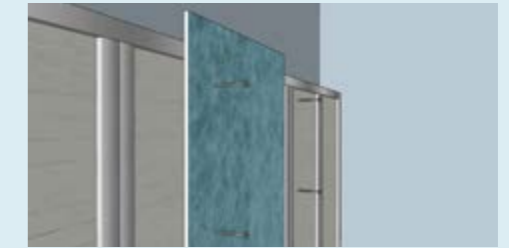
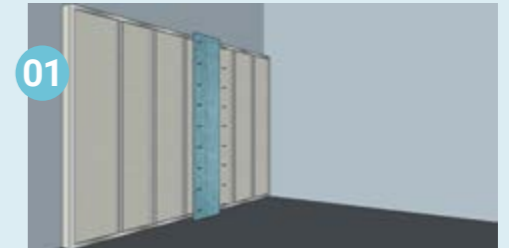
T-Coboard

Waterproofing wet rooms

Apply T-Bandel on all the panel joints using T-Fix adhesive, pressing and stretching the band well in order to avoid the formation of air bubbles.

Waterproof the internal and external corners and the pipes, using respectively T-Corner I, T-Corner E and T-Wall Collar, applied with T-Fix adhesive.

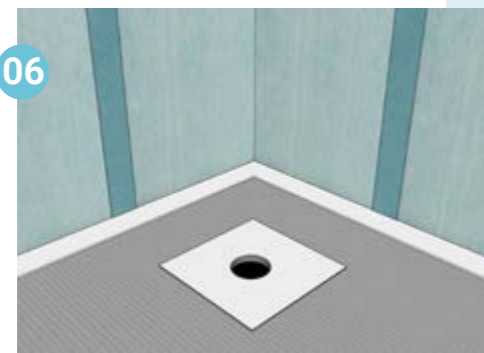
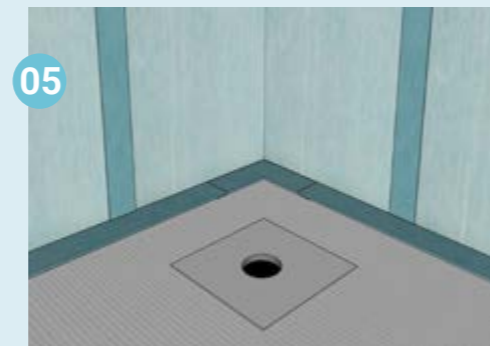
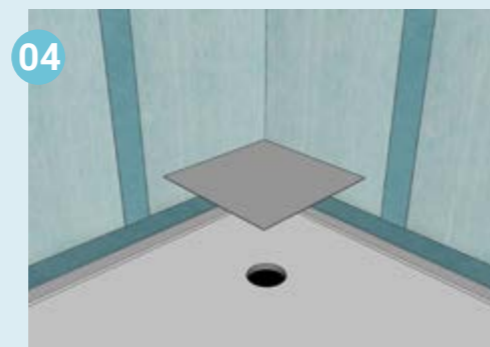
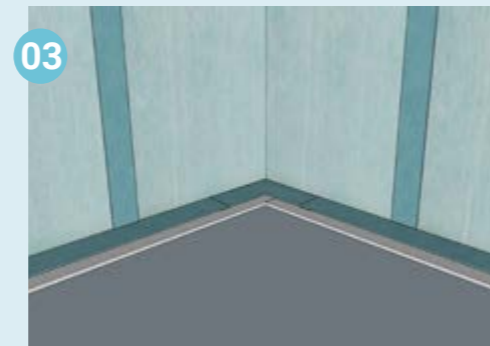
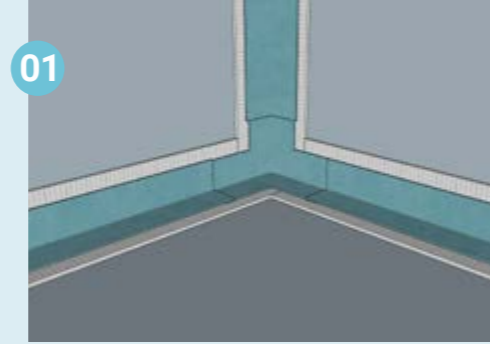
** In the event of fastening T-Coboard also with large-head screws, waterproof the area around the screws by using a square piece of T-Bandel applied with T-Fix.*



TH2 Stop

Waterproofing showers

- 01 Spread cement-based adhesive in the corner of the shower to be waterproofed, apply T-Corner I and overlay 5 cm of the corner accessory with T-Bandel, bonding both with T-Fix.
- 02 Apply T-Fix over T-Bandel and the cement-based adhesive on the walls, and then apply TH2 Stop.
- 03 Coat the wall with TH2 Stop and waterproof the joint between the membrane sheets with T-Bandel, using T-Fix.
- 04 Now waterproof the drain and protect it by bonding a square piece of TH2 Stop.
- 05 Now spread cement-based adhesive on the rest of the floor.
- 06 Apply T-Fix on the piece of TH2 Stop.
- 07 Apply TH2 Stop.
Apply the cement-based adhesive and then lay the coating required. Grouting and any finishing touches can be applied after 24 hours. The baseboards/skirting boards should be detached from the floor, and the remaining slot should be sealed with elastic material (silicone, etc.).

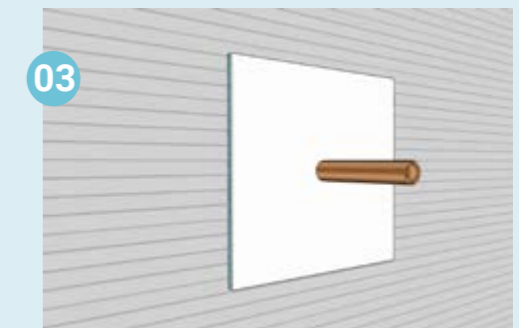
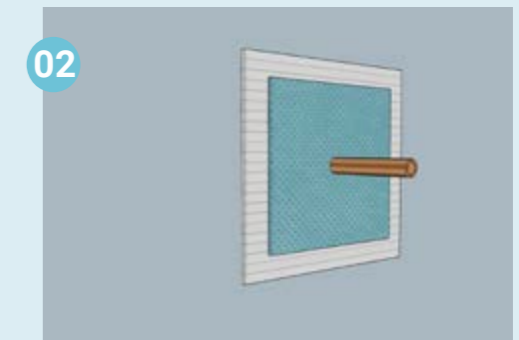


T-Wall Collar

Waterproofing pipes

- 01 Spread cement-based adhesive on the ends of the pipes.
- 02 Apply T-Wall Collar.
- 03 Spread T-Fix adhesive on the T-Wall Collar, then spread cement-based adhesive on the rest of the wall.
- 04 Apply TH2 Stop.
Apply Class C2 cement-based adhesive and then lay the coating required. Grouting and any finishing touches can be applied after 24 hours. The baseboards/skirting boards should be detached from the floor, and the remaining slot should be sealed with elastic material (silicone, etc.).

Installation Tips



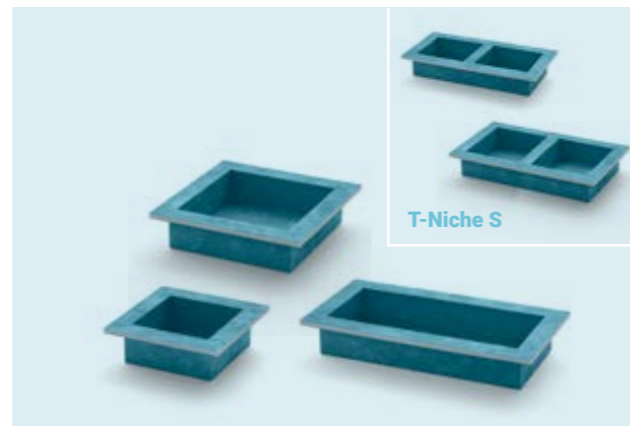
Prefabricated accessories

The TeMa Interior waterproofing system comes complete with prefabricated accessories that lend a touch of aesthetics and functionality to the bathroom.

T-Niche / T-Niche S

A T-Niche can be fitted in the bathroom wall with T-Coboard panels of sufficient thickness (>10 cm). Installation is quick and easy. All you need is a marker, a cutter, flat head screws, T-Bandel and T-Fix adhesive. Installation takes just 4 simple steps:

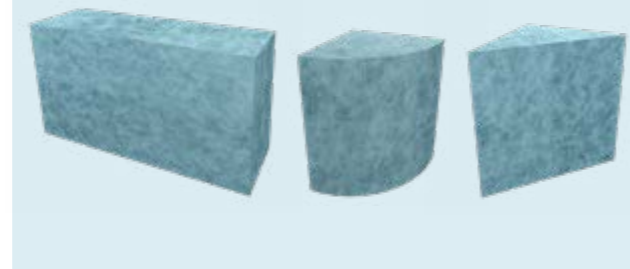
- Draw the outline of the niche (frame side) on the T-Coboard wall where it is to be installed;
- Use the cutter to cut out the marked area;
- Insert the niche and secure it with large-head screws;
- Spread T-Fix adhesive around the frame and apply T-Bandel, ensuring a 5cm overlap in every direction.



T-Bench / T-Seat

To install a seat or bench in the shower box, simply choose from the shapes and sizes offered and follow a few simple tips:

- Spread cement-based adhesive on the entire area that the back of the T-Bench / T-Seat will rest against.
- Place T-Bench / T-Seat up against the adhesive-covered walls.
- Waterproof the joints with T-Fix adhesive and T-Bandel.



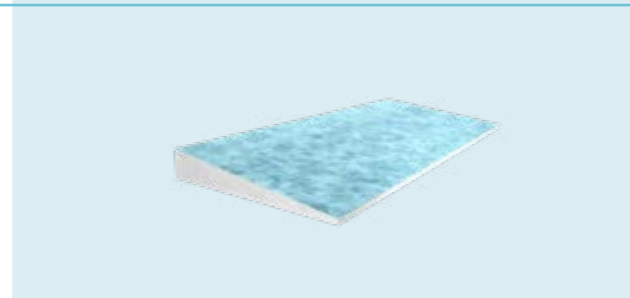
T-curb / T-Curb Overlay

To build a physical barrier between the shower box and the rest of the bathroom, you can use T-Curb and T-Curb Overlay. Simply place T-Curb up against the edge of the shower pan, placing adhesive along the entire length and thickness of the pan and along the adjacent wall. The entire surface of the accessory is then covered with cement-based adhesive before applying T-Curb Overlay.



T-Ramp

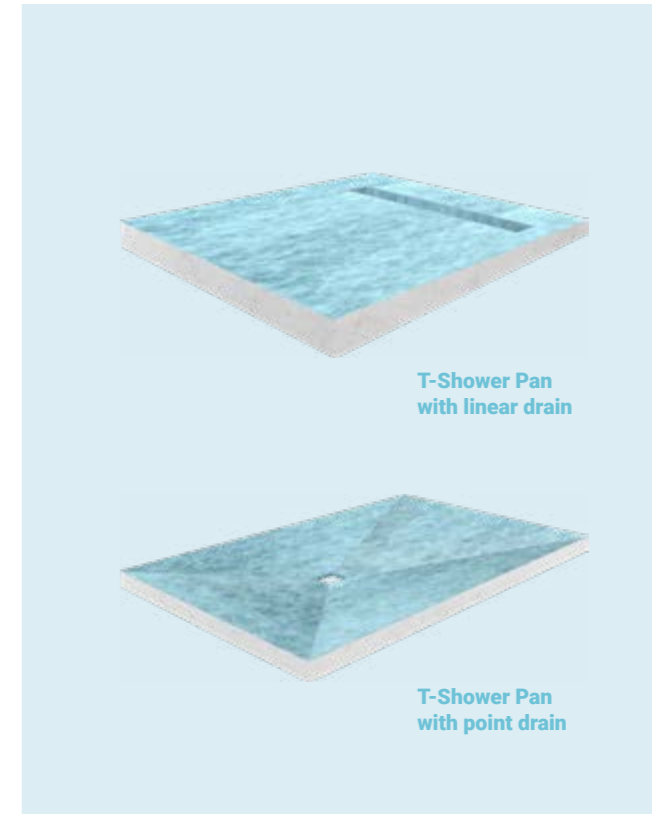
To create a barrier-free shower, simply install T-Ramp. To connect it to the shower pan, bond the upper edge of the pan to the upper edge of the ramp using cement-based adhesive and then waterproof the joint.



T-Shower Pan

To create a shower flush with the floor, create a recess for the shower pan in the existing or the new screed:

- Fill the cavity created with mortar or another cement-based self-levelling filler to offset the height of the drain-pipe connection, be it vertical or horizontal. (This height can also be offset by a bare XPS panel, which is shaped around the drain pipe in the event of horizontal connection with the drain).
- Check the position of the drain and apply the T-Shower Pan on the filler. Now test the dry assembly of the various components.
- Apply the cement-based adhesive on the underlying substrate using a suitable serrated spatula. First apply the adhesive using the flat side of the spatula to ensure proper coverage of the substrate, then go over it again using the serrated side.
- Rest the T-Shower Pan on the bed of adhesive and lift it to ensure it is fully covered.
- Seal all the joints and connections with the T-Shower Pan using T-Bandel, T-Corner I/E and T-Fix.
- The drain frame should be installed at the height of the tiles used to coat the T-Shower Pan.
- Spread a new layer of cement-based adhesive and tile the prefabricated shower pan as required.



Installation accessories

T-Bandel

Three-ply waterproof sealing band with a polyethylene core, coupled on both sides with polypropylene felt.

T-Corner I / E

For waterproofing corners.

T-Wall Collar

For waterproofing pipes.

T-Fix

Single-component, moisture-curing, ST polymer based adhesive.

T-Bandel is applied using T-Fix adhesive, pressing and stretching the band well in order to avoid the formation of air bubbles. Waterproof the internal and external corners and the pipes, using respectively T-Corner I, T-Corner E and T-Wall Collar, applied with T-Fix adhesive.



WARNINGS:

The information in this brochure is based on the know-how and experience acquired to date, and relates exclusively to our products and their characteristics at the time of printing. Said information does not represent any legal undertaking or contractual agreement regarding product quality.

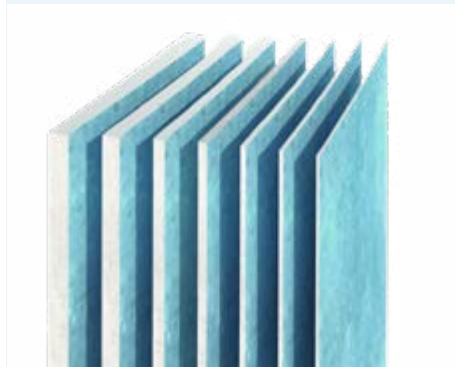
During application, always take into account the specific conditions of use, in particular from a physical, technical and legal point of view. The technical drawings contained herein are merely indicative and should be adapted to the specific case.

TeMa Interior Bathroom

TECHNICAL DATA SHEETS

T-Coboard

XPS panel coated on both sides to be water and vapour proof.



Physical properties	Reference standard	Unit of measurement								Tol.
Thermal conductivity	EN 12667	W/mK	0,0348	0,0348	0,0348	0,0348	0,0348	0,0348	0,0348	+/-0,15
Thermal resistance	EN 12667	m2K/W	0,273	0,365	0,575	0,862	1,149	1,437	2,299	
Water absorption	EN 12087	%	<1,5%	<1,5%	<1,5%	<1,5%	<1,5%	<1,5%	<1,5%	

Mechanical properties

Resistance to 10% compression	EN 826	N/mm ²	0,28	0,24	0,23	0,23	0,23	0,22	0,21	
Tensile strength perpendicular to the plane (epoxy)	EN 1348	N/mm ²	0,6	0,6	0,6	0,6	0,6	0,6	0,6	+/-0,15
Tensile strength perpendicular to the plane (cement 28 days)	EN 1348	N/mm ²	0,35	0,35	0,35	0,35	0,35	0,35	0,35	+/-0,15

Dimensions

Thickness	EN 9863-1	mm	9,5	12,7	20	30	40	50	80	+/-0,5
Width		mm	600	600	600	600	600	600	600	+/-0,2
Length		mm	2800	2800	2800	2800	2800	2800	2800	+/-0,2

TECHNICAL DATA SHEET

TH2 Stop

Three-ply waterproof sealing membrane for application under tiles to protect walls and floors from humidity and vapour transmission.



Fabric	Reference standard	Value	Unit of measurement	Tol.
Raw material		PP		

Inner core

Raw material (+ UV stabiliser)		LDPE		
Thickness	EN 1849-2	0,2	mm	±0,05

Composite

Mass per unit area	EN 1849-2	275	g/m ²	±10%
2Kpa thickness	EN 1849-2	0,5	mm	±10%

Physical properties

Waterproofing/water tightness in installation conditions Test Report # TJ173977, conducted at the QAI Testing laboratory	EN1928 B PG AIV F 3,8	1,5 (24 h no leakage)	bar	
Vapour transmission (procedure E, desiccant method)	ASTM E96-15	0,033	gr/ft2/hr/ inHg	
Sd Value (23°C - 50% U.R.)	EN 1931	> 60		
Resistance to chemical attack in installation conditions	EN 1847 EN 527-3	Acid and alkali resistant		

Mechanical properties

Robinson Wheel Test Test Report # TJ1732, conducted at the QAI Testing laboratory	ASTM C 627	Heavy Commercial Rating		
Pull-out test (cement-based adhesive)	EN 1348	0,4	N/mm ²	±0,1
Tensile strength MD/CMD	EN 12311-2	300/250	N/50mm	±10%
Elongation at maximum load MD/CMD	EN 12311-2	%	>50/60	±10%

Dimensions

Roll size (m)				
Length x Width	-	30x1	m	±0,2 / ±0,1
Length x Width	-	5x1	m	±0,2 / ±0,1

TECHNICAL DATA SHEET



Cansiglio Forest
View from our Headquarter windows

Sustainability

A fundamental value for all companies in the IWIS Holding Group.

From the earliest years of industrial activities, the companies within the IWIS Group have set up their production plants using technologies that aim to minimize pollution into the soil, air or water: our **ISO14001 certification** is not an award but a commitment that the IWIS Group has made day after day to preserve the environment where we live and work.

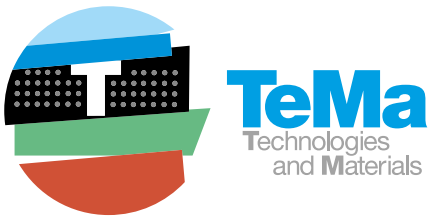
Almost 50% of the energy used in our production processes comes from renewable sources: IWIS owns three photovoltaic plants - 200 kWp, 150 kWp and 100 kWp - and produces another 800 kWp with a cogenerator.

IWIS Holding invests heavily in R&D to guarantee the quality of its products, for technological innovation and respect for the environment.

The industrial Group also uses recycled materials in some of its production processes, and as a consequence it has 4 specific systems for recycling plastics.

TeMa | Technologies and Materials
Certified Company





TeMa | Technologies and Materials

For more than 20 years, TeMa Technologies and Materials has been involved in environmental and construction engineering projects, making its mark with unique and highly competitive application solutions. Since 2013, the company has been applying its own research in the interior building works sector, developing new high-performance materials in the fields of waterproofing and sound insulation.



Thanks to a modern production system (with branches in Italy, Spain, Turkey, Russia, Romania and the USA) and to a widespread sales network in more than 60 countries, TeMa offers customised solutions for all projects that involve structural elements for protection, maintenance and safety in the residential and civil building sectors and in the field of major environmental works.

TeMa stands out for its ongoing research into new products, the active involvement of designers and companies and customer assistance during the pre-sale stages and after installation.



www.temabuilding.com



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