



The "original" with the corner joint.

Pre-wall installation with **TECE**profil

TECE:

Intelligent housing technology

TECEprofil – technology you can't see,
but has what it takes!





TECEprofil pre-wall technology – advantages at a glance

TECEprofil is intelligent

A complete supporting framework can be created with just three basic components. The TECEprofil corner joint and section tube are the system highlights. This simple yet ingenious connection principle enables you to create a stable pre-wall in the shortest space of time without special tools.

TECEprofil is universal

All the modules can be universally used and thanks to the intelligent accessories, can be installed as an individual module in front of the wall, in metal or wooden post-and-beam walls, or in corners to save space – regardless of whether you install a toilet, washstand, urinal or bidet module.

TECEprofil is fast and clean

With TECEprofil, a complete bathroom can be tiled after just one working day, because no masonry and plastering also means no tiresome drying times.

TECEprofil is economical

The clear range simplifies warehousing – and thanks to the prefabrication of individual units in the workshop, you can also complete large projects quickly and efficiently with TECEprofil. The fitter does not need any other trades, and doesn't have to share the business with anyone else.

TECEprofil is reliable

Because reliability and warranty are top of the list for professionals, renowned institutes have tested and approved TECEprofil with regard to sound insulation, fire protection and structure. You are always on the safe side with TECEprofil, provided it is installed correctly by a professional.

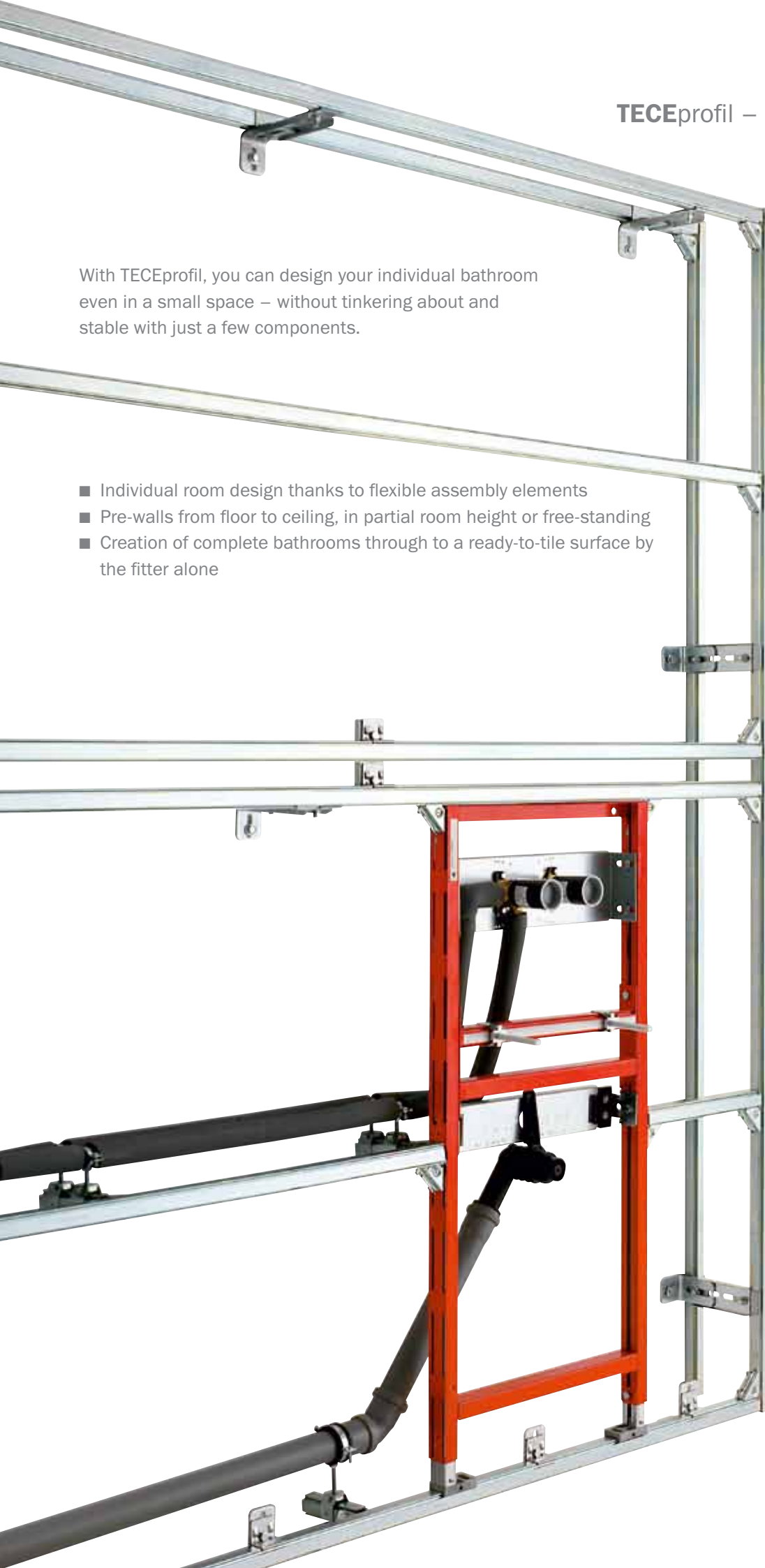


Solutions for the private bathroom

Pre-wall installation with washstand module

With TECEprofil, you can design your individual bathroom even in a small space – without tinkering about and stable with just a few components.

- Individual room design thanks to flexible assembly elements
- Pre-walls from floor to ceiling, in partial room height or free-standing
- Creation of complete bathrooms through to a ready-to-tile surface by the fitter alone





Design individual bathrooms
with **TECE**profil

Pre-wall installation with
space-saving corner solution

TECEprofil – individual bathroom design

It's not the ground plan that makes the bathroom, it's what you make of it with TECEprofil. TECEprofil is a flexible, stable and simple system for room design and the integration of building service applications – a modular system that enables you to make optimum use of even the smallest bathroom.

- Prefabricated modules for washstand, toilet and shower connection
- Space-saving toilet corner solution with standard module and accessories
- Simple and structurally sound installation of partition walls extending to the ceiling or half way up

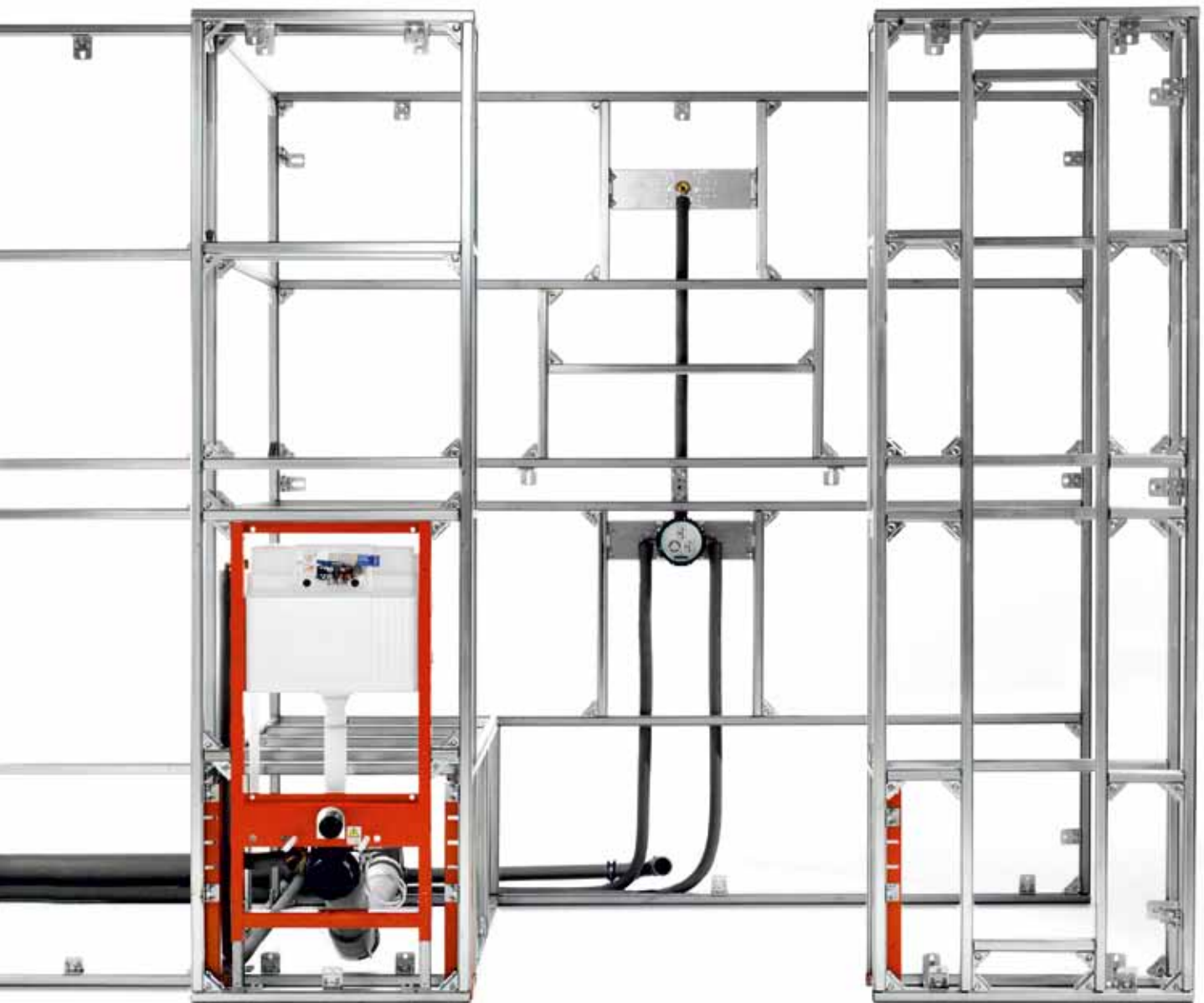




Tailor-made solutions
for niches etc.

Pre-wall installation with
niches and recesses

TECEprofil – individual bathroom design



Niches and recesses to house mirrors, shelves or built-in units are practical and often add to a bathroom's charm. Installation is easy with the TECEprofil system. Imagination knows no bounds here, in contrast to situations with a solid wall.

Solutions for public sanitary facilities



Row installation – TECEprofil urinals
with electronic flush actuation

Because TECE not only sells but also develops pre-wall and flushing technology, the visible products in front of the wall and the system components behind it are always ideally tailored to each other. The special purpose also plays a role during development. For example, the TECEplanus push plates for urinal and toilet are vandal- and theft-proof and therefore particularly suited for use in the public sphere.

- TECE cistern with water-saving dual flush technology
- Non-contact flush actuation for toilets and urinals in the public sphere
- Urinal actuation with versatile programming options, e.g. with water-saving function, break function and hygienic flushes
- Push plates for the public sphere, e.g. vandal- and theft-proof or with antibacterial effect



Solutions for an accessible bathroom



TECE Geronto module with steel plate set to attach safety support arms from most manufacturers

TECEprofil – the accessible bathroom

Modern bathroom planning takes account not only of the users' current requirements, but also those of the future. (Barrier-free) accessibility is an ongoing topic because people want to be able to live in their own home even in old age, and intelligent solutions are therefore needed.

- TECEprofil supporting framework and modules enable standardised installation in accordance with DIN 18 040 (barrier-free living and barrier-free building)

TECE Geronto module

- Also ideal for the public sphere
- Dimensions in accordance with DIN 18 040 already predefined ex works
- Stable steel plates to hold the safety support arms



Supporting framework – fast assembly
with just **three** basic components



TECEprofil – supporting framework and basic components

Thanks to the simple assembly with corner joint and section tube, TECEprofil pre-walls can be created quickly, stably and reliably. Even complex supporting frameworks are set up with just three basic components.

- No deburring of the profile brace after sawing
- Inaccuracies when cutting the section tube to length can be easily rectified
- Always a right-angle connection thanks to corner joint
- Assembly with no special tools
- Connection that can be easily undone
- TECEprofil supporting framework made of galvanised steel
- Structural certification from MPA Braunschweig



The corner joint can be installed using a simple wrench. The connection can be subsequently undone at any time.



The beading in the edge area of the section tube holds the corner joint tightly and also improves the tube stability.



Inaccuracies (of up to 10 mm) when cutting the section tube to length can be easily rectified by the corner joint.



Angle brackets for fixing the section tubes on the structural shell, adjustable in depth and height.

A photograph of a modern bathroom with a white sink, mirror, and bathtub. The room features a large skylight in the ceiling, providing natural light. The sink is mounted on a white vanity unit with a chrome faucet. A mirror is mounted above the sink. In the background, a white bathtub is visible with a chrome faucet and showerhead. The overall aesthetic is clean and minimalist.

Accessories – no time
for tinkering ...

Example of a free-standing pre-wall with supporting framework, basic components, accessories and TECEprofil washstand unit

TECEprofil – supporting framework accessories

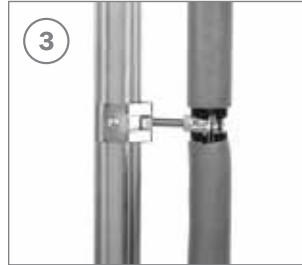
The TECEprofil range includes professional accessories, which you can use to quickly and cost-effectively create stable supporting frameworks in every building situation.



With the universal connector, connections can be created at any angle.



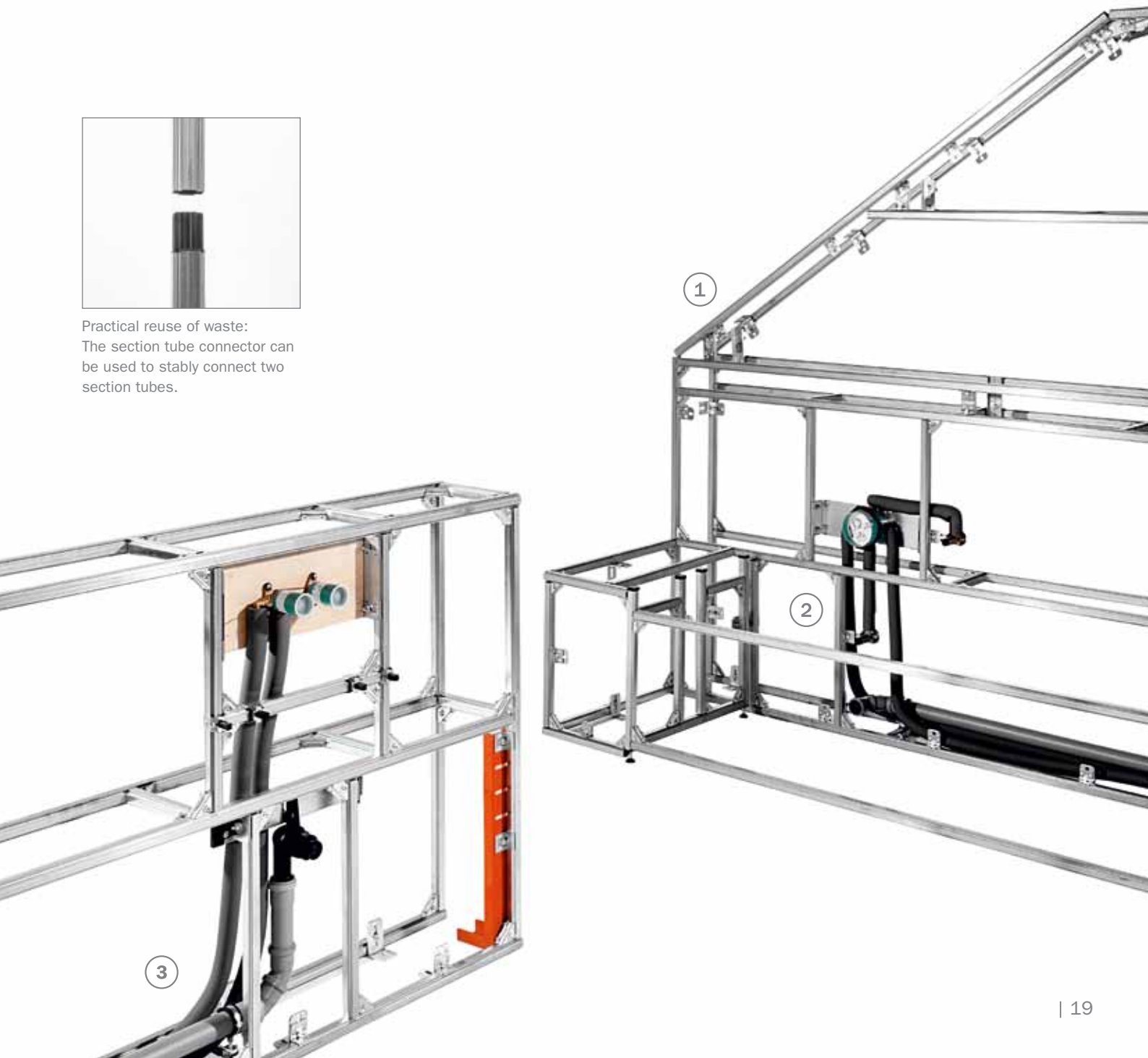
Multi-clip for attaching non-system materials to the section tube.



Fixing brackets for holding threaded rods M8 or M10.



Practical reuse of waste:
The section tube connector can be used to stably connect two section tubes.





TECEprofil modules – installed quickly anywhere

TECEprofil – installation of modules

TECEprofil modules considerably simplify integration in the pre-wall. One single fitter can easily carry out the few work steps without assistance.



Placement of module feet on the lower profile brace.



The module can be pulled out to the correct installation height with little force. The foot brake prevents slipping.



The slotted profiles in the module frame enable the modules to be fixed to the supporting framework with corner joints.



After the module feet have been locked, the module is permanently connected with the lower continuous profile brace.

Tried and trusted technology in the toilet module: the TECE cistern

Fully pre-assembled and sealed; 10-litre tank volume; 6-litre pre-set standard flush volume, 4.5/7.5/9 litre flush volume can be optimally set at any time; 3-litre partial flush volume for dual flush technology. Residual volume available for immediate cleaning rinse. Can be set as a single or dual-flush cistern depending on the push plate used.



- (1) Structurally self-supporting assembly frame
- (2) Punched layout, permanently visible
- (3) Lateral slot for fixing with corner joints on the profile brace of the supporting framework
- (4) Drilled holes for fixing in metal and wooden post-and-beam assembly
- (5) Stable crossbeam with four threads – for securely holding the ceramics, even under high load
- (6) Practical foot brake simplifies setting of the module height
- (7) Adjustable supports for a floor projection from 0 to 20 cm – for fixing on the floor or on a TECEprofil rail

(8) Protective plug for use on both sides

During fine installation, the projecting protective plugs are simply cut flush to the surface and remain in the wall. Here, they act as protective pipes against a possible leak in the sealing area. In the event of a leak, the water runs out and is visible, rather than flowing into the pre-wall installation unnoticed.



The protective plugs are simply pushed onto the flush pipe and drain bend.



The protective plugs can now be cut flush to the surface with a saw blade.



After cutting, the ends remain in the wall as protective pipes.



Safe solution: In the event of a leak, the water runs out and is visible.

- (9) Holder for steel plate set (optional), only required if you use design ceramics with a reduced supporting surface (≤ 18 cm)
- (10) Option of fixing a flexible conduit for the concealed water connection of a shower toilet

A photograph of a modern shower stall with light-colored walls and ceiling. Two showerheads are mounted on the wall, and two wall-mounted faucets are visible. The floor has two long, narrow drainage grates. The lighting is soft and even.

TECEprofil – highly wet areas

Walls that are exposed to a high degree of wetness (e.g. rows of showers in swimming pools or wellness areas) require a special subsurface. The waterproof 12.5 mm thick glass-fibre light concrete panel from TECE offers the perfect subsurface for this.

Use:

- Public areas (swimming pools, sanitary facilities, wellness areas)
- Commercial areas (dairies, breweries, industrial kitchens)



Safety tested –
fire protection with **TECEprofil**



TECEprofil fire protection:
Test setup at MPA
Braunschweig.

Fire protection made easy.

A test by MPA Braunschweig showed that fire protection solutions can be created easily with the TECEprofil pre-wall system. Room partitions with sanitary installations from TECEprofil have been structurally tested and, depending on the design, can meet fire resistance classes from F30 to F120. The wall modules must be filled with fire-retardant wool in accordance with the requirements.

Resistance time	Min. wall thickness incl. panel facing	Maximum height	Maximum width	Filling only in the area of the installed elements	Full filling of the wall required	Standard flush-mounted electrical socket permitted	Water meter permitted
F30	286 mm	4.5 m	unlimited	no	yes	yes	yes
F30	386 mm	4.5 m	unlimited	yes	no	yes	yes
F90	286 mm	4.5 m	unlimited	no	yes	no	no
F90	386 mm	4.5 m	unlimited	no	yes	yes	yes
F120	386 mm	4.5 m	unlimited	no	yes	yes	no



Fire protection solutions F30

An F30 room partition incl. sanitary installations can be achieved with little effort. With F30, only the installed elements must be filled with mineral wool (melting point > 1000°C).



Fire protection solutions F90

For higher requirements (as of F90), the room partitions must always be filled with mineral wool across the whole area. F90 can be achieved as of a wall thickness of 286 mm.



Fire protection solutions F120

Even the highest F120 fire protection requirements can be met with the TECEprofil system as of a wall thickness of 386 mm.

Sound insulation: Finding your way through the jungle of standards with **TECEprofil**

The excellent sound insulation properties of a TECEprofil pre-wall also meet the high requirements of DIN 4109. This has been confirmed through sound measurements by the Fraunhofer Institute for Building Physics.



TECEprofil in front of a dry-wall construction		
Installation noise level	Standard requirements DIN 4109/A1	Higher requirements DIN 4109/supplement 2
$L_{n1} = 19 \text{ dB(A)}$	✓	✓



TECEprofil in front of a solid wall		
Installation noise level	Standard requirements DIN 4109/A1	Higher requirements DIN 4109/supplement 2
$L_{n1} = 19 \text{ dB(A)}$	✓	✓

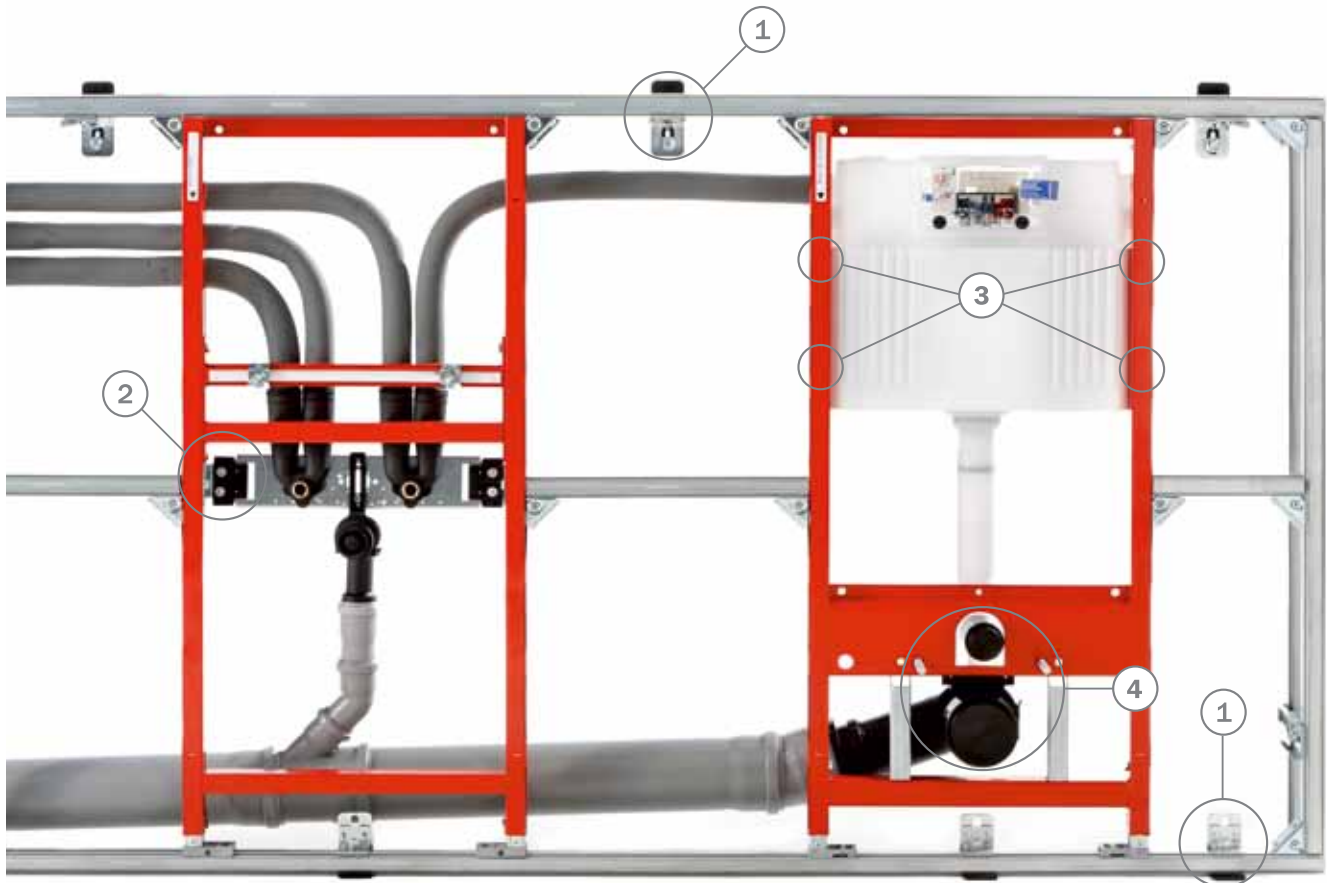


TECEprofil as room partition			
Installation noise level	Standard requirements DIN 4109/A1	Higher requirements DIN 4109/supplement 2	Evaluated sound insulation measurement
$L_{n1} = 19 \text{ dB(A)}$	✓	✓	$R'_{w1} = 52 \text{ dB(A)}$



TECEprofil in a C-profile wall		
Installation noise level	Standard requirements DIN 4109/A1	Higher requirements DIN 4109/supplement 2
$L_{n1} = 19 \text{ dB(A)}$	✓	✓

When it comes to sound insulation, the details are all-important. Compliance with legal standards is only ensured if the details of the solutions are right.



1
Sound insulation kit for angle bracket for sound insulation between TECEprofil supporting framework and wall/floor



2
Connection unit for washstand with sound insulation without crossbeam and module frame



3
Sound insulation between washstand and module frame



4
TECEprofil sound insulation kit for sound insulation for toilet and bidet ceramics

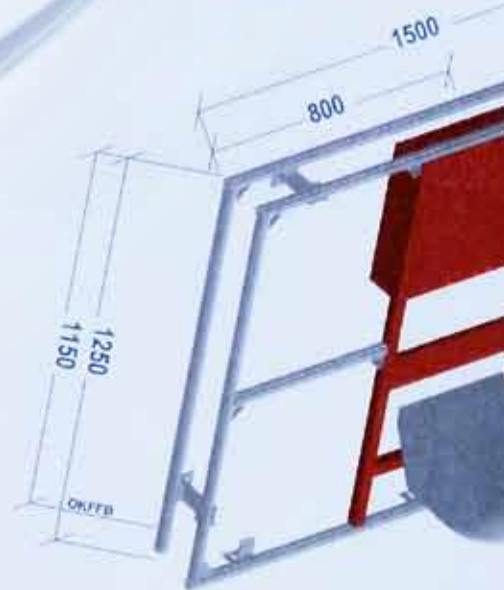
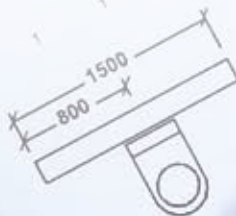
TECEplasorit – planning software for experts

TECEprofil
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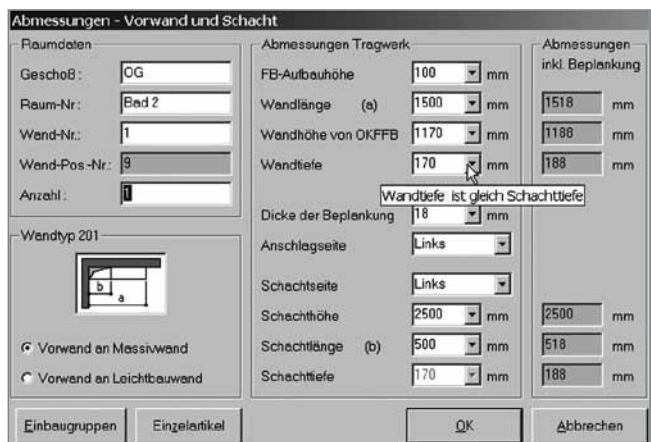
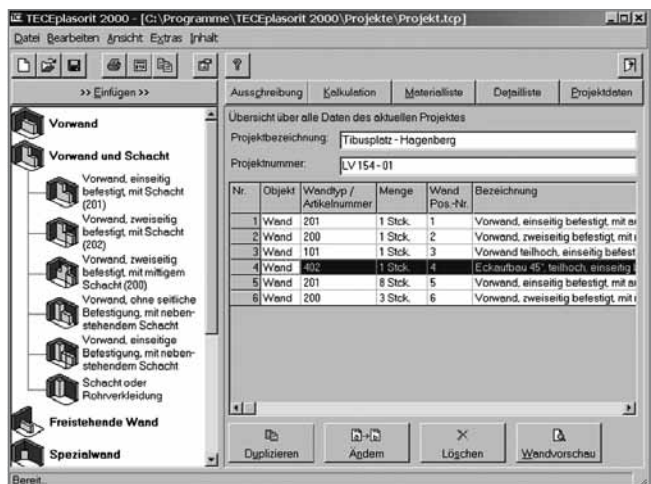
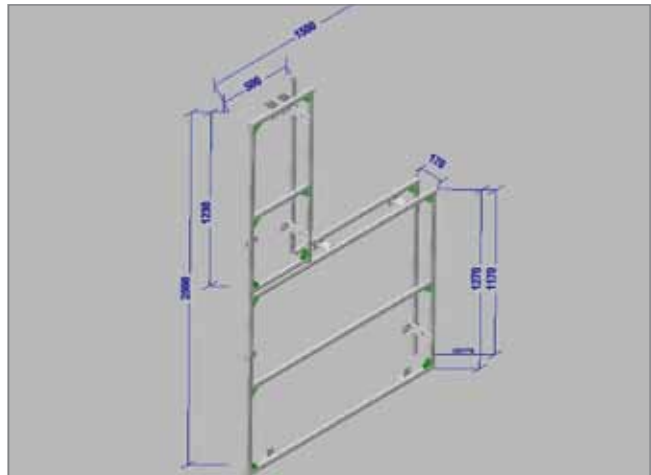
The planning of TECEprofil pre-walls is thus just as easy as their installation:

With TECEplasarit, the planning of TECEprofil pre-walls is easy. Clear program structures with the typical Windows operating elements ensure users can get to know the program in a short space of time.

You can quickly create tender documents, offers, detailed lists or precise calculations with only a few entries. As a highlight, you can view the planned wall from all perspectives as a 3-D graphic.

- Rapid construction of bathroom walls
- Assemblies for toilets, washstands, urinals, bidets and fittings
- Easy to use
- Freely rotatable 3D drawing
- Generate tender documents or offers as an option
- Wall sketch with measurements in tender documents and offers
- Generation of detailed lists and lists of materials and calculations

Free download from www.tece.com.





For renovations and new buildings, TECEprofil also offers the option of prefabrication. Here, the fitter can have the pre-walls prefabricated from TECEprofil in the workshop and assemble the entire sanitary technology and pipelines for potable and waste water, heating and ventilation into the structural framework ready for connection. On the construction site, the prefabricated pre-walls just have to be installed. Fast, simple installation on site is an advantage particularly for renovations in which several identical or similar sanitary units are installed in buildings that are occupied.

Short installation times thanks to prefabrication in the workshop



Prefabrication in the workshop ...



... Installation of the prefabricated modules on the construction site ...



... the finished bathroom.

Prefabrication in the workshop

The big advantage of prefabricating multiple units in the workshop is the time saved – this is particularly worthwhile for renovations of occupied buildings. The renovation of bathrooms in a three- or four-storey block of flats, for example, takes about half as long as when they are refurbished individually. For tenants, it means less dirt and noise and for landlords less lost rent thanks to shorter installation times on site.

Industrial prefabrication at TECE

As an alternative to prefabrication in the workshop, you can have wall modules and sections produced on an industrial basis. These are assembled in TECE's own factory. Experienced TECE employees can also carry out dimensioning and planning and provide instruction on site, if required. With the high degree of prefabrication, TECE also guarantees a high standard of quality. Every sanitary unit is manufactured with the same –

industrial – precision. At the same time, all sound insulation and fire protection requirements are taken into consideration. Even in large projects, budgets and schedules can be met without stress.

TECEprofil accessories – flexible



Supporting foot for free-standing walls to reinforce free-standing TECEprofil supporting frames



Telescopic attachment to extend the lateral module braces, adjustable from 1190 to 1300 mm



Mounting set for UA profile walls to attach modules to lateral UA profiles



Mounting set for wooden post-and-beam walls to attach TECEprofil modules in a wooden post-and-beam wall



(1)



(2)



(3)



(4)



(5)



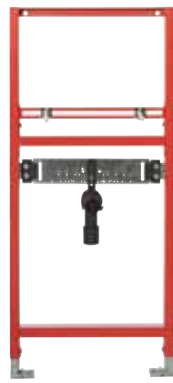
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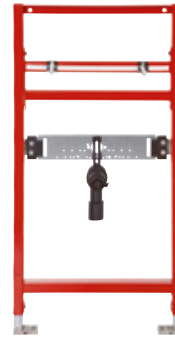
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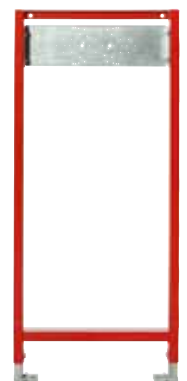
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(15)



(16)



(17)

TECEprofil module range – all you need

No other pre-wall system is so flexible with so few universally usable modules and accessories.

- (1) Toilet module with TECE cistern, front actuation, installation height 1120 mm
 - (2) Toilet module with TECE cistern, top or front actuation, installation height 980 mm
 - (3) Toilet module with TECE cistern, top or front actuation, installation height 820 mm
 - (4) Toilet Geronto module with TECE cistern, front actuation, ceramic mounting for 48 cm seat height, matching steel plate set for mounting safety support arms from various manufacturers is available separately, installation height 1120 mm
 - (5) Toilet module with TECE cistern, with connection for odour extraction, installation height 1120 mm
-

- (6) Toilet module with TECE cistern specially for the connection of shower toilets, e.g. Duravit SensoWash C, installation height 1120 mm
 - (7) Toilet module with TECE cistern, for shower toilet TOTO Neorest LE/SE, installation height 1120 mm
 - (8) Toilet module with TECE cistern for Keramag Espital sink, connection for wall fittings, installation height 1340 mm
 - (9) Washstand module, installation height 1120 mm
 - (10) Washstand module, installation height 980 mm
 - (11) Washstand module with concealed odour extraction, installation height 1120 mm
-

- (12) Washstand module for sink, assembled height 1120 mm
- (13) Urinal module with TECE flush valve housing, assembled height 1120 mm
- (14) Urinal module for external pressure flush, assembled height 1120 mm
- (15) Bidet module for wall-mounted bidet, assembled height 1120 mm
- (16) Bidet module for wall-mounted bidet, installation height 820 mm
- (17) Bath/shower module for flush-mounted and external fittings, installation height 1120 mm

It's all a question of the right accessories!

All TECEprofil modules are designed for installation in a TECEprofil pre-wall. With the right accessories, however, they can also be installed as individual modules in front of the wall or integrated in metal or wooden post-and-beam walls. Space-saving installation in the corner of a room is also possible. The module range thus remains a manageable size, and an existing module can be flexibly adapted to new circumstances.



Modular attachment, depth-adjustable, for attaching a TECEprofil module to a solid wall, depth-adjustable from 150 to 240 mm

Modular attachment for individual installation, enables variable depth and height adjustment of the storage surfaces, adjustable from 1190 to 1300 mm

Modular attachment for variable corner installation for the space-saving installation of a TECEprofil module in the corner of the room

Modular attachment for wall corner installation for fitting of a TECEprofil module at an angle of 45°

There's a system behind it – building service applications made by TECE

The TECEprofil pre-wall system unites the various product lines from TECE into one whole: from the award-winning cistern with its large choice of push plates or the electronic flushing systems through to the pipe and installation systems.



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At www.tece.com you can find a lot more information about our products.

TECE:
Intelligent housing technology