



The Chemical Company

Supporting element made from high-resistance foam

PCI Pécidur

For interior application and reconstruction

FIELDS OF APPLICATIONS

- For internal use only (except for skirtings and stairs when external use is permitted.)
- For floors, walls and soffits.
- For critical substrates.
- For later completion in wet areas (e.g. bathroom and kitchen).
- To be used for diverse layouts for interior and dry-technique application.
- For renovation and new buildings.
- Prefabricated angle elements for corners or to cover pipes and wires.

FEATURES AND BENEFITS

- **The board and angle length** of 2.6 m corresponds to the German Building Regulation.
- **The element is coated with a special mortar containing glass fibre** enabling direct tiling or rendering/plastering.
- **The core is made of polystyrene foam (ozone-acceptable)** and corresponds to the building grade B1, DIN 4102 part 1.

- **Easy installation and application** by using customary dowels and tools (craft knife, hand saw or electric saw) and PCI materials.
- The **light weight** helps to make application easy and efficient.

SUBSTRATES

The following substrates are suitable:

- Screed, concrete, masonry, renders, and plasters
- Ceramic coverings
- Metal or wood-constructed walls
- Wooden flooring boards

TECHNICAL DATA

Material

Material basis	HCFC-free polystyrene foam with a two-sided special mortar coating
Compressive strain	>0.30 N/mm ²
Grade of heat conductivity (DIN 4108)	0.035 W
Diffusion resistance coefficient (DIN 52 615)*	80 – 300
Linear thermal expansion coefficient*	0.07 mm/mK
Water absorption (DIN 53 428)*	0.5 vol.-% (after 28 days of underwater storage)
Behaviour in fire (DIN 4102)*	low flammability (grade of building material B1)
Identification according to -Regulation for hazardous goods on roads -Regulation for inflammable liquids -Regulation for hazardous substances	non hazardous not applicable not subject to identification
Storage	cool and dry, in flat position
Shelf life	non-rotting
Temperature resistance	-20°C to +80°C

*refers to the polystyrene foam core

Packaging PCI Pécidur boards

Description	Thickness mm	Board size mm	Quantity/Pallet & Total m ²	Art. No./EAN Code
PCI Pécidur 6	6	1300 x 600	140 boards x 0.78 m ² =	109.20 m ² 1668/8
PCI Pécidur 10	10	2600 x 600	50 boards x 1.56 m ² =	78.0 m ² 1669/5
PCI Pécidur 10 K	10	1300 x 600	100 boards x 0.78 m ² =	78.0 m ² 1742/5
PCI Pécidur 20	20	2600 x 600	50 boards x 1.56 m ² =	78.0 m ² 21672/5
PCI Pécidur 30	30	2600 x 600	36 boards x 1.56 m ² =	56.16 m ² 21673/2
PCI Pécidur 40	40	2600 x 600	36 boards x 1.56 m ² =	56.16 m ² 21674/9
PCI Pécidur 50	50	2600 x 600	26 boards x 1.56 m ² =	40.56 m ² 21676/3

Packaging PCI Pécidur W angle elements

Description	Size mm	Thickness mm	Length mm	Quantity/Pallet	Art. No./EAN Cod
PCI Pécidur W 150	150 x 150	20	2600	60	1681/7
PCI Pécidur W 200	200 x 200	20	2600	40	1686/2
PCI Pécidur W 300	300 x 300	20	2600	40	1693/0
PCI Pécidur W 400	400 x 200	20	2600	40	1694/7

Packaging PCI Pecidur W tub elements

Description	Thickness mm	Size mm	Quantity/Pallet	Article No./EAN Code
PCI Pecidur tub element K	30	730 x 600	30 boards	3432/3
PCI Pecidur tub element L	30	1770 x 600	30 boards	3433/0

Packaging PCI Pecidur washer

Description	Washer	Quantity/Box	Article No./EAN Code
PCI Pecidur Washer 60 K	60 mm, plastic	500	1707/4
PCI Pecidur Washer 50 M	50 mm, steel, galvanised	500	1708/1
PCI Pecidur Washer 76 M	76 mm, steel, galvanised	500	1709/8

Packaging PCI Pecidur metal dowels

Description	Washer	Length	Quantity/Box	Article No./EAN Code
PCI Pecidur Metal Dowel 80	35 mm	80 mm	250	1732/6
PCI Pecidur Metal Dowel 110	35 mm	110 mm	250	1733/3
PCI Pecidur Metal Dowel 140	35 mm	140 mm	250	1735/7

APPLICATION

The PCI Pecidur supporting elements made of high-resistance foam can be cut and/or shaped with a craftknife, hand saw or electric saw.

1. Installation on metal walls and wood constructed walls

The maximum distance between walls result from the board width of 600 mm.

Cut PCI Pecidur boards to length.

Cut recesses for possible connections.

For installation on wood-constructed walls mount the PCI Pecidur boards using chip board screws (screw length = thickness of board + 20 mm) and PCI Pecidur washers.

For installation on metal constructed walls, the PCI Pecidur boards are mounted with self tapping metal screws and PCI Pecidur washers.

In bathrooms and showers (load grade I or II) the butt joints and pipe openings must be waterproofed with PCI Waterproofing Tape and/or PCI Waterproofing Gasket and PCI Lastogum or PCI Seccoral.

2. Installation on walls

The PCI Pecidur board, can be used to produce smooth areas, e.g. walls which are partially tiled. The tile adhesive PCI Tilefast 6 Rapid Flex is applied with a trowel, notch size 6 to 8 mm, the PCI Pecidur boards are installed and fastened with dowels after curing of the adhesive (5 dowels/m²).

Cut the PCI Pecidur boards to length and drill 5 holes per m² for the dowels (8 holes/board). Cut recesses for possible connections.

Apply a lump of mortar, e.g. PCI Tilefast 6 Rapid Flex or PCI Muroplan, as required depending on the wall, according to the hole markings.

Support the PCI Pecidur boards on the floor, press down and vertically align.

After the mortar has cured drill the holes for the dowels according to the markings (8 mm, depth into the loadable substrate (50 mm) and fix with metal dowels.

In bathrooms and showers (load grade I or II) the butt joints and pipe openings must be waterproofed with PCI Waterproofing Tape and/or PCI Waterproofing Gasket and PCI Lastogum or PCI Seccoral.



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3. Installation on the floor

Screw wooden flooring boards together, if required, and prime with PCI Primer W. Allow the primer to dry.

Prepare cement screeds, anhydrite screeds, old ceramic coverings in accordance with the latest technique.

Cut PCI Pécidur boards to length.

Apply PCI Tilefast 6 Rapid Flex (adhesive bed thickness = 5 mm) or PCI Polyflott flex (adhesive bed thickness = 10 mm) and install the PCI Pécidur boards within the open time.

PLEASE NOTE

- The PCI Pécidur supporting elements are made of high-resistance foam and angle elements can be cut with a craftknife, hand saw or electric saw.
- For the application in the dot and dab method the PCI thin-bed mortars such as PCI Tilefast 20 Rapid or the gypsum-based levelling compound PCI Muroplan can be used. The butt joints can be glued with PCI Egacoll or PCI Kraftkleber.
- Store in flat position in cool and dry areas.
- The regulations of the ZDB Note "Notes for the interior and exterior application of tile and board coverings laid directly on waterproofings", edition August 2000, are to be followed for the installation of PCI Pécidur in bathrooms and showers (load grade I or II).
- Floor coverings installed on PCI Pécidur cause a hollow sound.

For further information refer to the PCI Material, Safety Data Sheet.

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