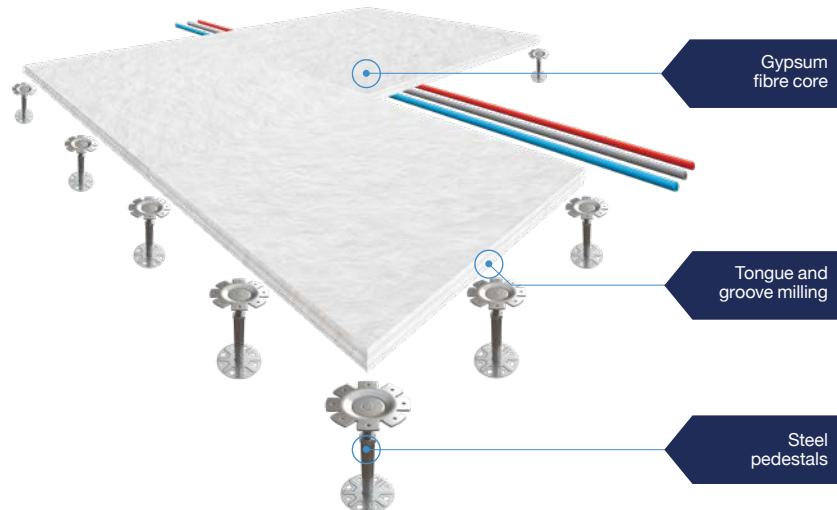


# ZFK40

## LOAD CLASS 6

Our Tate Caso Fix dry cavity floor system consists of individual elements measuring 600 x 600 mm. During the systems' development, the focus was not only on the technical characteristics but also the ease of installation and problem-free handling on the construction site. All Tate Caso Fix dry cavity floor panels are delivered on small pallets that have a 600 x 660 mm format and a maximum weight of 700 kg.



### Panels

Thickness	40 mm
Dimensions	600 mm x 600 mm
Material	High-density gypsum fibre core

### Substructures

Galvanised steel pedestals from the	
SR6 series up to	750 mm
Pedestal layout	See page 2

### Use cases of deformation-critical coverings

Deflection for a reduction in the nominal load to:

2.500 N	0,5 mm
4.550 N	0,9 mm
6.000 N	1,2 mm

### Statics according to DIN EN 13213: 2001

Load class	6
Working load	7,5 kN
Safety factor	2,0

### Fire protection according to DIN 4102-2: 1977

Building material class	non-flammable
Fire-resistance class	F30 up to clear heights of 750 mm



Please scan the QR code or [click here](#) to go to the current product page.

Sound insulation according to DIN EN ISO 10140: 2021 and DIN EN ISO 10848: 2018

#### Normalized impact sound pressure [ $Ln,w$ ]

with sound pad without covering	*52 dB
with sound pad with covering	**38-45dB

#### Impact sound reduction (Vertical) [ $\Delta Lw,P$ ]

with sound pad without covering	*14-24** dB
with sound pad with covering	*27-38** dB
without sound pad without covering	8 dB
without sound pad with covering	18 dB

#### Impact sound reduction (Horizontal) [ $Ln,f,w,P$ ]

with sound pad without covering	**84-88** dB
with sound pad with covering	**47-54* dB

#### Airborne sound reduction [ $Dn,f,w,P$ ]

with sound pad without covering	*44-46** dB
with sound pad with covering	*42-47** dB

#### Note:

It should be noted that the use of sound pads can impact the system's rigidity. As a result, limitations with regard to the aforementioned load capacity must be taken into account.

Depending on the covering used, the sound values may differ.

According to the manufacturer's specifications, the impact sound reduction resulting from the floor coverings ranges between  $\Delta Lw$ : 18-30 dB. If you require detailed information regarding the sound values, please feel free to contact the technical department.

\* Sound pad diameter Ø 100 x 2 mm

\*\* Sound pad diameter 100 x 100 x 6 mm

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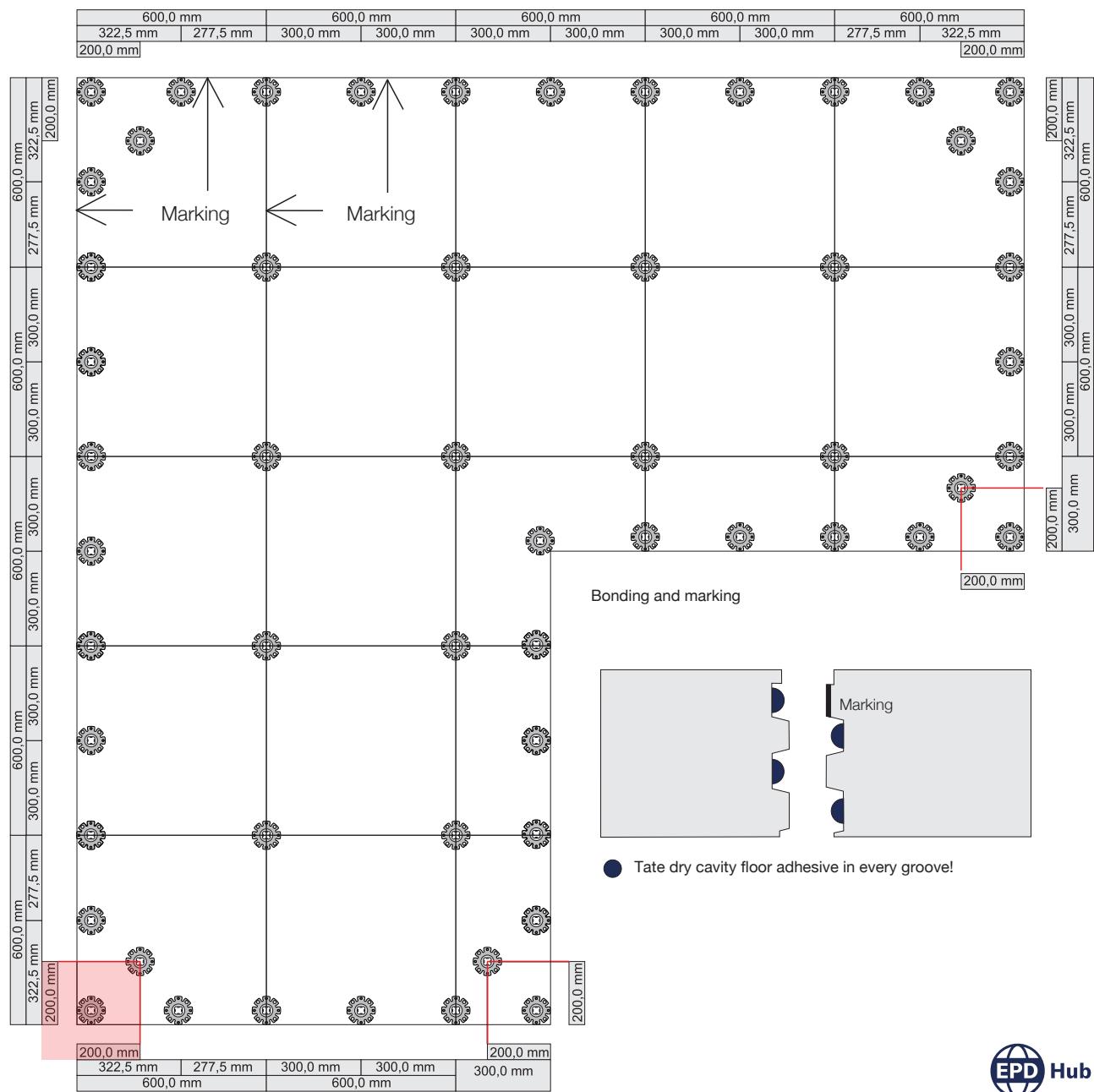
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tate-caso-fix-zfk40-datasheet-en-de-v2 12/2025

  
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ZFK40



### Pedestal layout

Care must be taken to ensure that the corner pedestals are positioned at a distance of 200 mm from the centre of the pedestal head to both edge joints. This positioning must be strictly observed.

System panel layout: since the panels have an edge, it is not obvious at first glance whether the positive or negative side is facing upwards. Therefore, a black line has been added to the panels. This line is present on two of the four sides, thereby creating a virtual tongue and groove system. These markings are always found on the top section of the panel and thus indicate the panel's face side. If the installation is started in the upper left corner, position the panel in such a way that the markings sit on the left- and topmost edge and touch the connecting walls. The panel can be pushed directly up against the required edge insulation strip (mineral wool is mandatory if F30 is required) without the need to cut down the edge. Thereafter, it is possible to proceed with the installation according to the same principle.

Tate

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