

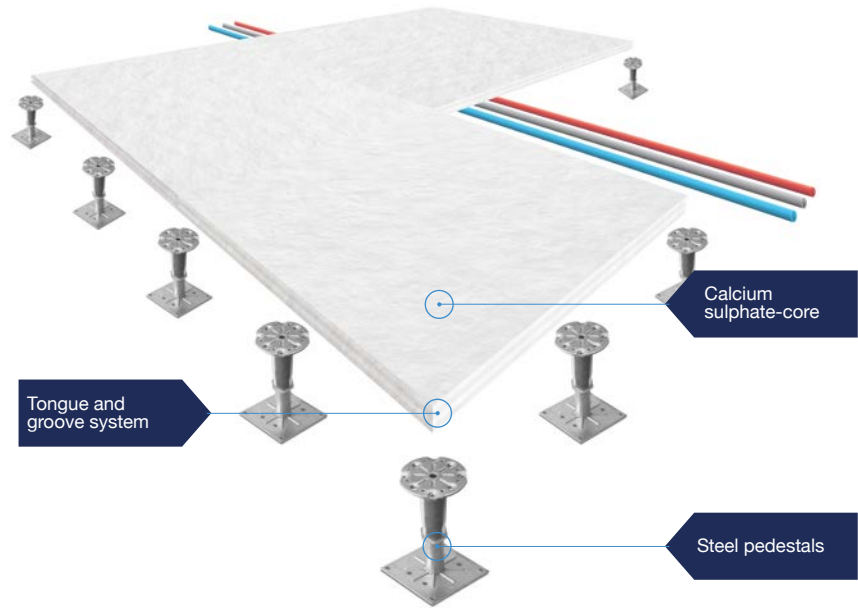


# HOLLOW FLOOR 40

The Tate Hollow Floor 40 System consists of 600 x 600mm panels with single layer thickness of 40mm.

The Hollow Floor 40 systems offer excellent performance in use and are designed for ease of assembly and installation when on site.

All Tate Hollow Floor System panels are supplied on small pallets (600 x 600 mm) with a maximum weight of 700 kg.



Panels	
Thickness:	40 mm
Dimensions:	600 x 600 mm
Core Material:	Calcium Sulphate

Load Capacity DIN EN 13213	
Load Class:	6
Working Load:	7.5 kN
Safety Factor:	2

Panel Fire Performance	
Building Material Class 4102-1:	non-combustible
Fire resistance:	**REI60
EN13501-2:	2016

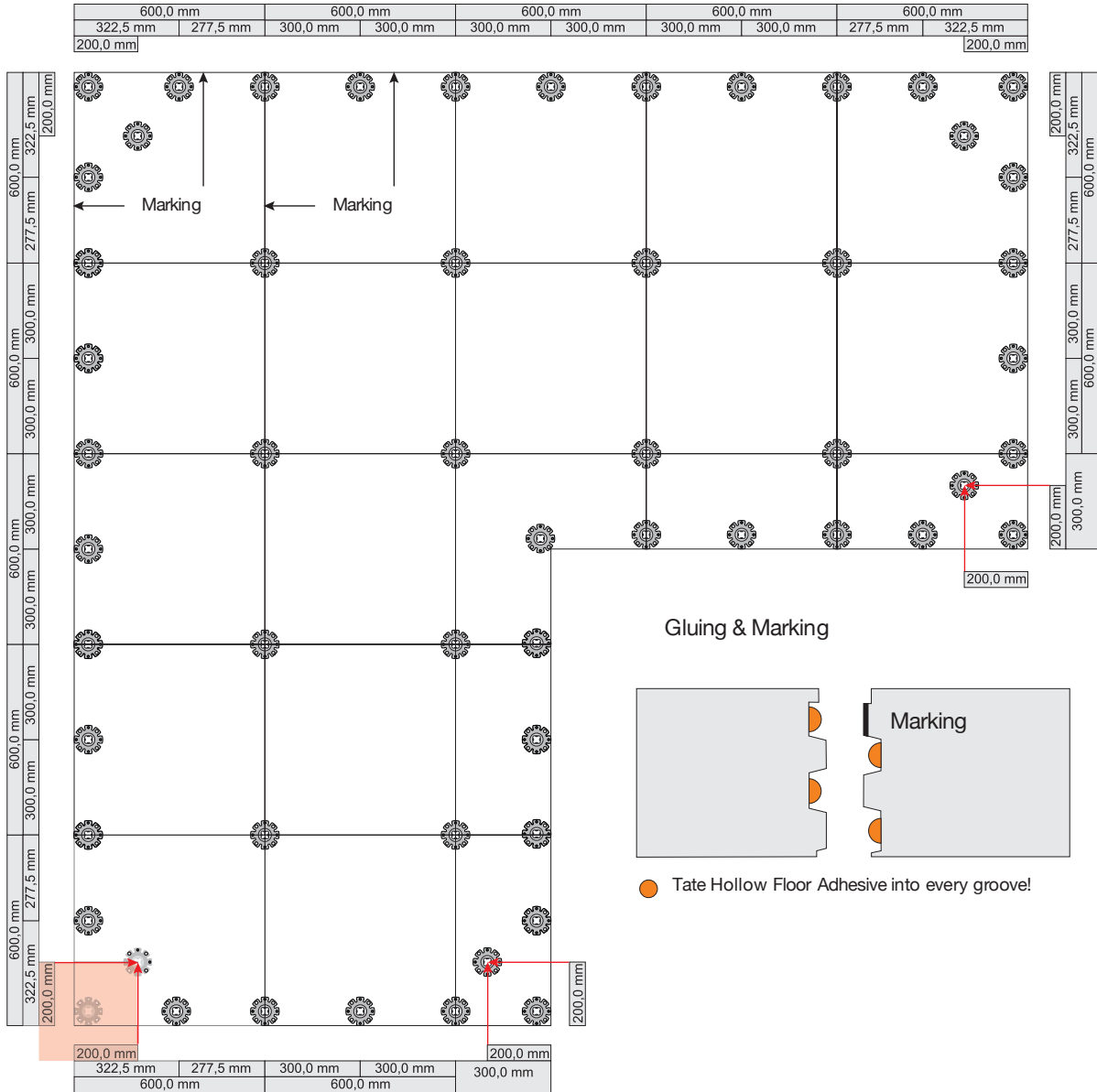
Understructure	
<b>Galvanized Pedestals of the:</b>	
Alpha V Range:	25mm to 610mm void height
Alpha III Range:	Up to 1070mm void height
Pedestal Layout:	See page 2

Acoustics EN ISO140	
<b>Impact sound reduction (Vertical) <math>\Delta L_{wP}</math></b>	
without support pad, without cover:	8 dB
without support pad with VM 23 dB covering:	18 dB
with 2mm support pad, without cover:	14 dB*
with 2mm support pad and VM 23 dB covering:	27 dB*
<b>Airborne Sound Reduction <math>D_{nfwP}</math></b>	
with support pad, without cover:	44 dB*
with support pad, without cover + cut:	53 dB*
with 2mm support pad, with VM 24 dB cover:	42 dB*
with 2mm support pad, with VM 24 dB cover:	52 dB*
<b>Impact sound reduction (Horizontal) <math>L_{nfwP}</math></b>	
with support pad, without cover:	88 dB*
with support pad, without cover + cut:	68 dB*
with 2mm support pad, with VM 24 dB cover:	54 dB*
with 2mm support pad with VM 24 dB + cut:	43 dB*

Please note: The use of additional sound-proofing measures (e.g. insulating pads) may result in a reduction of the above mentioned working load.

\* Support pad: 2mm PGR cork-1 rubber granulate  
 ^ Available in thicknesses 30mm, 40 and 40.4mm  
 \*\* Alpha V up to 610mm void height  
 Alpha III up to 900mm void height

**Pedestal arrangement:** You must ensure that corner pedestals have a 200 mm gap at both edge connections, calculated from the centre of the pedestal head.



**System panel arrangement:** Panels are supplied with a groove on two sides, visible as a black line to create a virtual tongue and groove system. This mark is always in the upper part of the panel, indicating the upper side of the panel. When installation is started in the left corner, the two black marks on the left and top of the panel point towards the connecting walls. The panel should be pushed directly against the required edge band without trimming the tongue chamfer (Product No: 87004700 is a mandatory requirement for fire resistance class REI60). Installation can then continue using this same principle.