

Tender specification for Kalthoff raised floors

Project: _____

Installation site: _____

KALTHOFF – RAISED FLOOR – System K 1060 PB comprising:

Substructure

Separate substructure, grid of special C-profiles (60 x 60 x 2.0 mm), electrically conductive and attached using special gaskets and hammer-head bolts. Tubular column R 1" in self-levelling base to compensate for unevenness of the subfloor, height adjustment +/- 30 mm, infinitely adjustable with mechanical adjusting bolt, all steel components are galvanised.

The gaskets and pedestals must be screwed together tightly with threaded bolts. Any other method of attaching the pedestal head to the tubular column is not permitted.

Panel support of at least 30 mm (min. 3 sides) must be provided. The main C-profile grid is distributed across the room area to guarantee the required load-bearing capacity, alternatively it is tailored to the dimensions of the switchboard and local conditions in the switch room.

Average installation height to top edge of the panel: _____ mm

Grid size: 1.200 x 600 mm
Load-bearing capacity: 15.000 N / m²
Point load: 3.000 N

Alternative:

Grid size: 600 x 600 mm
Load-bearing capacity: 30.000 N / m²
Point load: 5.000 N

Panels

Multi-layered, high-density chipboard panels according to DIN 4102. Underside lined with aluminium sheet / 0.5 mm galvanised steel sheet. All panels are cut to grid sizes, milled to exact dimensions and angles. Panel edges on all sides have a hot-glued edge trim to protect against moisture and damage. Panel cut on-site have sealed edges. Special-sized panels in wall areas, around the base frame, or as required.

Upper side coated with: _____

Standard: PVC Etec Plus, Colour 143 F -grey-, approx. 10¹⁰ Ohm, antistatic
Alternative: PVC Derby AL, Colour 975 F -grey-, ≤ 10⁸ Ohm, conductible
Linoleum Gerflor DLW Marmoleum 2.0mm, approx. 10¹⁰ Ohm, antistatic
Linoleum Gerflor DLW Marmorette LCH 2.5mm, ≤ 10⁸ Ohm, conductible
... other floor coverings on request

Size: 600 x 600 mm
Thickness: approx. 40 mm

Alternative:

Mineral fibre panels, building material class A1 / A2
non-combustible

Size: 600 x 600 mm
Thickness: approx. 38 mm

		Unit (€)	Total (€)
Base Frame			
Stringers made of galvanised square tube 40 x 40 x 2 mm, custom-cut and welded, for switch rooms as height compensation frame instead of panels.			
_____ m ²	Complete raised floor , as described above, incl. planning and drafting a grid plan <i>Material and installation, at a price of</i>	_____	_____
Accessories for the KALTHOFF - RAISED FLOOR - system K 1060 PB:			
Suction lifter			
_____ units	Suction lifter for lifting panels <i>-delivered- at a price of</i>	_____	_____
<i>Optional:</i>	<input type="checkbox"/> incl. wall mount <input type="checkbox"/> incl. storage case		
Panel attachment			
_____ m ²	Panels screwed to substructure from underneath. Screwing the panels from above is not permitted. Some panels are provided with quick release for easy access. <i>Material and installation at the additional price of</i>	_____	_____
Stairs			
_____ units	Stair(s) with ____ steps, made of the panel material described above, with aluminium fascia top trim Step width: _____ mm Step depth: _____ mm Step height: _____ mm <i>Material and installation, at a price of</i>	_____	_____
Railing			
_____ m	Railing made of galvanised square tube 40 x 40 x 2 mm, with 2 knee rails <i>Material and installation, at a price of</i>	_____	_____
Cavity barrier			
_____ m	Vertical barrier for raised floor height _____ mm, made of panel material as described above <i>Material and installation, at a price of</i>	_____	_____
Blanking panel			
_____ m ²	Unused base frames will be closed with cover-plates for later installation of switchgear-cabinets <i>Material and installation, at the additional price of</i>	_____	_____

			Unit (€)	Total (€)
Skirting				
_____	m	PVC-core skirting (60 x 10 mm) <i>Material and installation, at a price of</i>	_____	_____
Subfloor sealant				
_____	m ²	Single component – resin-based emulsion paint floor sealant <i>Material and installation, at a price of</i>	_____	_____
Swirl diffusers				
_____	units	Swirl diffuser DB-E-DN 150, incl. dirt trap and adjustment ring, flow rate approx. 50 m ³ / h <i>Material and installation, at a price of</i>	_____	_____
Service outlets				
_____	units	Service outlets, without equipment, incl. panel cut-out and covered hinged lid <input type="checkbox"/> GES 4 DB <input type="checkbox"/> GES 6 DB <input type="checkbox"/> GES 9 DB <input type="checkbox"/> GESR 4 DB <input type="checkbox"/> GESR 9 DB <input type="checkbox"/> _____ <i>Material and installation, at a price of</i>	_____	_____
Transformer rails				
_____	m	Transformer rails comprising two square tubes 40 x 40 x 2 mm, incl. raised edges made of flat steel 40 x 5 mm, galvanised (only compatible with Kalthoff-System K 1060 PB) Transformer weight max. 2.5 T <i>Material and installation, at a price of</i>	_____	_____
Upgrade to F30-A				
_____	m ²	Upgrading of the aforementioned raised floor to fire resistance class F30-A in the area of escape routes. Upgraded substructure and panels made of reinforced mineral fibre (A2), non-combustible. (Test certificate must be available) <i>Material and installation, at the additional price of</i>	_____	_____
Temporary floor panels				
_____	m ²	Installation of temporary floor panels (28mm) during electrical installation and removal at a later date, incl. disposal and replacement with the original panels. <i>Material and installation, at a price of</i>	_____	_____

			Unit (€)	Total (€)
Hardboard				
_____	m ²	Hardboard 3.0 mm to protect the panels during construction. Boards laid on butt joints and fixed with adhesive tape. Disassembly and disposal on site. <i>Material and installation, at a price of</i>	_____	_____
Ventilation plates				
_____	units	Full-steel ventilation panels, 600 x 600 mm, air flow of 15%, 24% or 38%		
<i>Optional:</i>		<input type="checkbox"/> incl. flow control <i>Material and installation, at a price of</i>	_____	_____
Installation phases				
The raised floor is planned to be installed in <input type="checkbox"/> one, <input type="checkbox"/> two, <input type="checkbox"/> three or <input type="checkbox"/> _____ construction phase(s), any additional installation phases will be invoiced <i>additional installation phase, at a price of</i>			_____	_____ <i>EP</i> _____