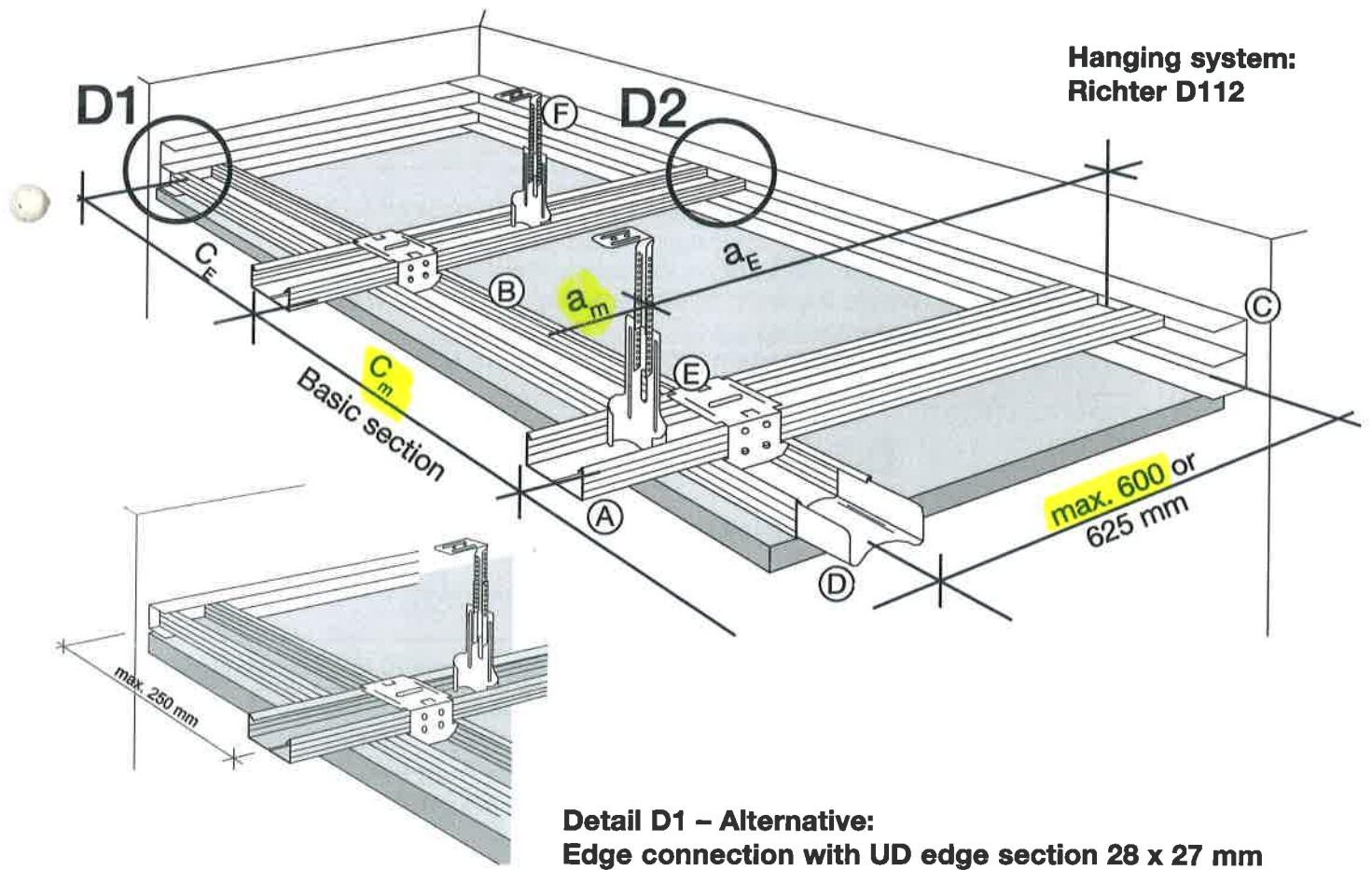




Fastening onto CD metal sections

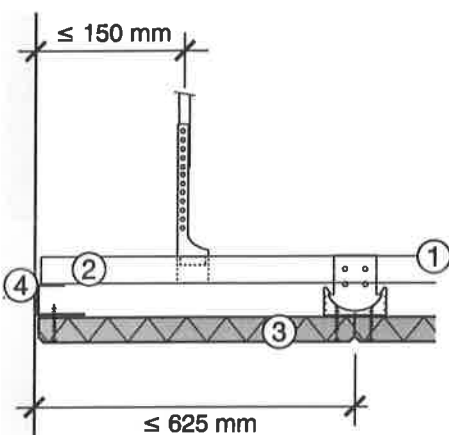


Products

Table 7

	Product	Thickness mm	Weight kg/m ²	Edge design ²⁾	Centre distance ¹⁾ of cross joists	Panel dimensions mm
Product Range	Heradesign® <i>superfine</i>	15	7.8	AK-01	300; 312.5 ¹⁾	600/600 1200/600 625/625 1250/625
	Heradesign® <i>fine</i>	15	8.2			
	Heradesign® <i>superfine</i> ²⁾	25 / 35	11.3 / 15.0	AK-01 AK-02 AK-03	600; 625	
	Heradesign® <i>fine</i> ²⁾	25 / 35	12.4 / 16.3			
	Heradesign® <i>micro</i>	25 / 35	15.0 / 19.0			
	Heradesign® <i>superfine</i>	35	15.0	VK-12	590; 615	
	Heradesign® <i>fine</i>	35	16.3			
	Heradesign® <i>micro</i>	35	19.0			
Product Range A2	Heradesign® <i>superfine A2</i>	15	12.0	AK-01	300; 312.5 ¹⁾	600/600 1200/600
	Heradesign® <i>fine A2</i>	15	13.0			
	Heradesign® <i>superfine A2</i>	25	18.0	AK-01 AK-02 AK-03	600	
	Heradesign® <i>fine A2</i>	25	19.0			
Product Range Plus	Heradesign® <i>superfine plus</i>	40 (15/25) 50 (25/25)	10.1 13.6	AK-01 plus	600	1200/600
	Heradesign® <i>fine plus</i>	40 (15/25) 50 (25/25)	10.5 14.7			
	Heradesign® <i>micro plus</i>	50 (25/25)	17.3			

- 1) For panel dimensions 1200/600 & 1250/625, a centre distance of the laths of 1/3 of the panel length is permitted as an alternative. **Panel thickness 15 mm:** not suitable for outdoor applications and indoor swimming pools.
- 2) **Please note:** edge design GK – straight edge without bevel, for screw installation, only carry this out with shadow gaps of ≥ 4 mm between the acoustic panels. Increased care is necessary during installation. Pay attention to the modified grid dimensions! For edge designs, see page 53.
- Please note: Knauf Insulation GmbH is not a system holder according to DIN-EN 13964.**



Detail D2 – Edge connection with U-section

- ① CD basic section 60/27/0.6
- ② CD load-bearing section 60/27/0.6
- ③ Heradesign acoustic panel; always position panel joint in supporting direction under a CD-section.
- ④ UD 28/27 wall connection section; max. dowel distance 625 or 600 mm, the CD-section may not be screwed with the DU wall connection section.

Maximum spacing of the substructure

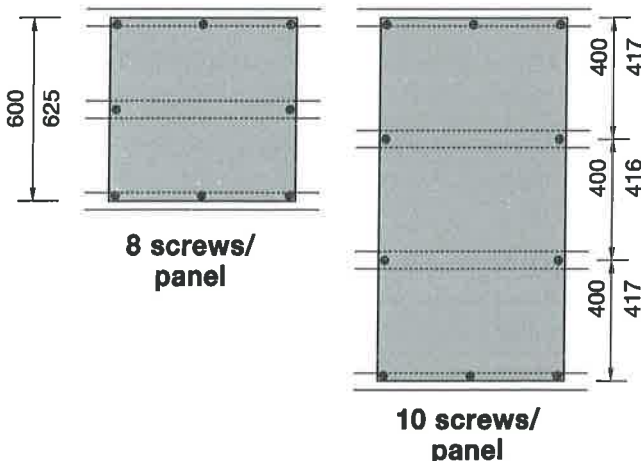
Maximum section and hanger spacing for deflection class 1 according to EN 13964 (max. deflection L/500)

Basic section 60/27/0.6 mm	Load classes (dead weight of the suspended ceiling in kN/m ²)		
	0.15 kN/m ²	0.20 kN/m ²	0.30 kN/m ²
Max. centre distance © (mm)	Permissible additional load AL*) in kN/m ² for hanger spacing @ (m)		
c _m = 600 mm (middle field) c _E = 600 mm (edge field)	ZL = 0.20 kN/m ² a _m = 1.15 m a _E = 1.00 m	ZL = 0.40 kN/m ² a _m = 0.90 m a _E = 0.75 m	ZL = 0.50 kN/m ² a _m = 0.75 m a _E = 0.60 m
c _m = 800 mm (middle field) c _E = 600 mm (edge field)	ZL = 0.20 kN/m ² a _m = 1.05 m a _E = 0.90 m	ZL = 0.35 kN/m ² a _m = 0.80 m a _E = 0.70 m	ZL = 0.35 kN/m ² a _m = 0.70 m a _E = 0.60 m
c _m = 1000 mm (middle field) c _E = 800 mm (edge field)	ZL = 0.20 kN/m ² a _m = 0.95 m a _E = 0.80 m	ZL = 0.20 kN/m ² a _m = 0.75 m a _E = 0.60 m	
c _m = 1200 mm (middle field) c _E = 1000 mm (edge field)	ZL = 0.10 kN/m ² a _m = 0.90 m a _E = 0.75 m		

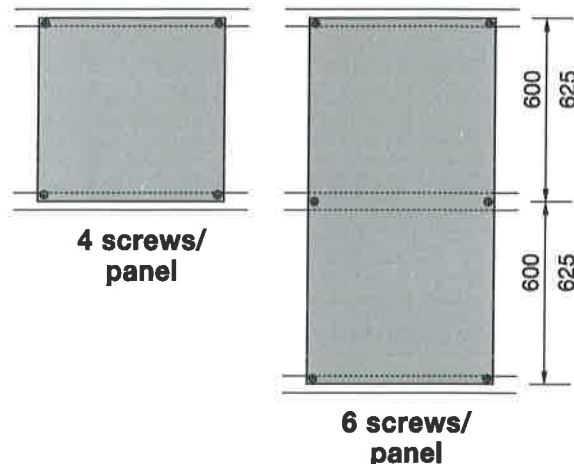
*) Additional load: Surface loads of mineral wool lining, suction load from wind, etc. Fittings such as ceiling lights, sprinklers, etc. must be hung separately.
 The max. spacing of the load-bearing sections 60/27/0.6 is 600 mm or 625 mm.
 For the edge fields of load-bearing section and hanger, the shorter spacing applies (c_E, a_E).
 a_m = spacing of the hangers in the panel.
 a_E = edge distance of the hangers from the wall. The distances only apply in connection with an E wall connection section.
 Without wall connection section max. a_E = 250 mm.
Max. hanger load: 0.40 kN / With a permissible hanger load of 0.25 kN, the additional loads must be multiplied by 0.5, i.e. reduced.
 For F 30, EI 30 ceilings, or ceilings that are safe against ball throwing, the spacing and cross sections must be according to the test certificate.
 For details, see the F 30 - EI 30 designs.

Standard screw pattern for Heradesign® acoustic panels

Screw pattern
for panel thickness of 15 mm



Screw pattern
for panel thickness of 25 or 35 mm



Note: exact marking of the screwing points is carried out using the Heradesign drilling template. See page 63, Accessories.

