

SYSTEM UNO 30

The greatest advantage of the UNO 30 system is the fire protection from above and below. If a fire attacks from above, i.e. from the ceiling cavity, life-saving escape routes remain free of smoke and heat. If the fire attacks from below, the installations in the ceiling cavity are protected. As a design option, there is a choice between METAL or classic MINERAL design.

KNAUFCEILING
Solutions





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Technical characteristics

Building material class	A2-s1, d0 according to DIN EN 13501-1
Fire resistance class	F30 from above and below according to DIN 4102 Part 2
Sound absorption	up to $\alpha_w = 0.55$ according to DIN EN ISO 11654
Humidity resistance	up to 90% relative humidity (in case of changing humidity up to 30°C)
Thermal conductivity	$\lambda = 0,052-0,057$ W/mK according to DIN 52612
Dimensions	600 x 1400 mm, 300 x 1800 mm, additional sizes on request
Thickness/Weight	40 mm (ca. 12 kg/m ²) / 50 mm (Metal) (ca. 16 kg/m ²)

Available standard surfaces



THERMATEX®
Feinstratos



THERMATEX®
Feinstratos micro



THERMATEX®
Star



Metal white similar
RAL 9010 smooth



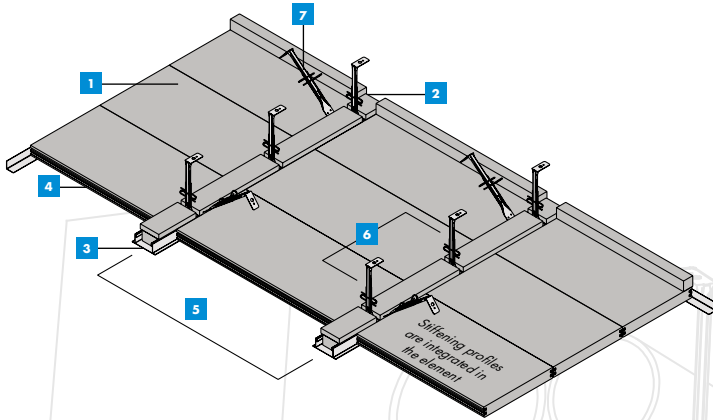
Metal white similar
RAL 9010 perforated



Fleece coating
similar RAL 9010

CONSTRUCTION

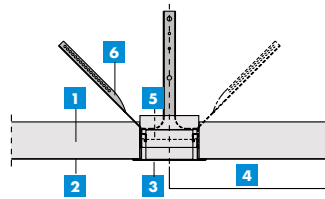
UNO 30 Element 600 x 1400 mm



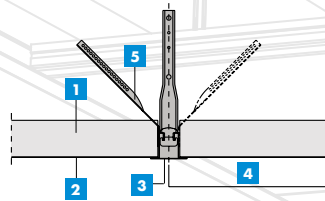
- 1 UNO 30 Element 600 x 1400 x 40 mm or 50 mm with METAL COATING
- 2 THERMACOR Board 40 mm
- 3 Bandraster 50 or 100 mm
- 4 Stiffening profile
- 5 Centre distance BR= 1482
- 6 Nonius hangers every 700 mm
- 7 Transverse stiffening every 1250 mm alternating*

METAL

- 1 UNO 30 Element 600 x 1400 x 50 mm
- 2 METAL COATING
- 3 Bandraster 100 mm
- 4 Centre distance BR= 1482
- 5 THERMACOR Board 40+19 mm
- 6 Transverse stiffening every 1250 mm alternating*

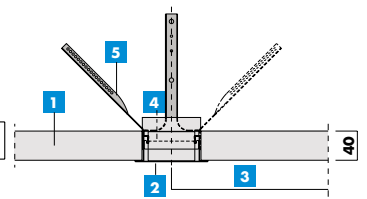


- 1 UNO 30 Element 600 x 1400 x 50 mm
- 2 METAL COATING
- 3 Bandraster 50 mm, fill with plaster
- 4 Centre distance BR= 1432
- 5 Transverse stiffening every 1250 mm alternating*

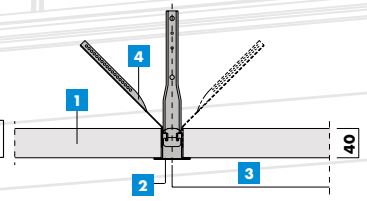


CLASSIC

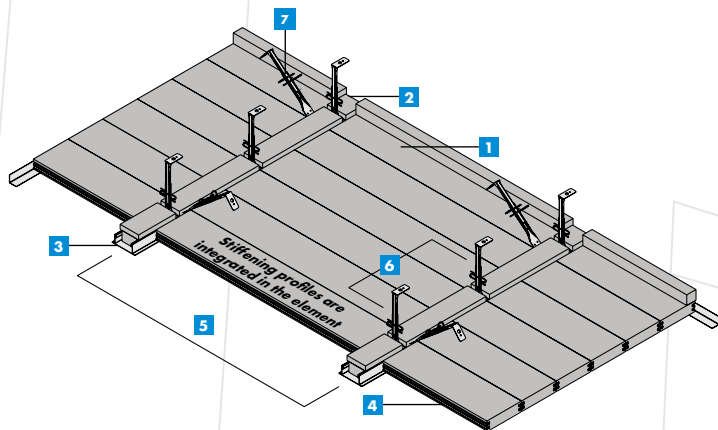
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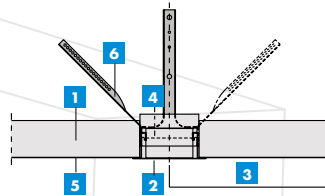


UNO 30 Element 300 x 1800 mm

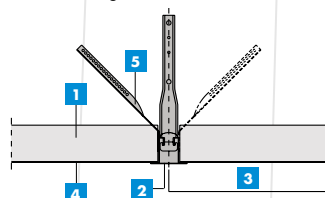


- 1 UNO 30 Element 600 x 1400 x 40 mm or 50 mm with METAL COATING
- 2 THERMACOR Board 40 mm
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- 4 Stiffening profile
- 5 Centre distance BR=1882
- 6 Nonius hangers every 700 mm
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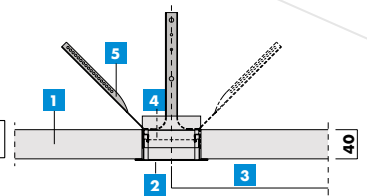
- 1 UNO 30 Element 300 x 1800 x 50 mm
- 2 Bandraster 100 mm
- 3 Centre distance BR= 1882
- 4 THERMACOR Board 40+19 mm
- 5 METAL COATING
- 6 Transverse stiffening every 1250 mm alternating*



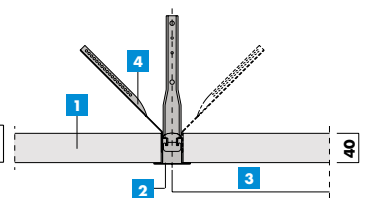
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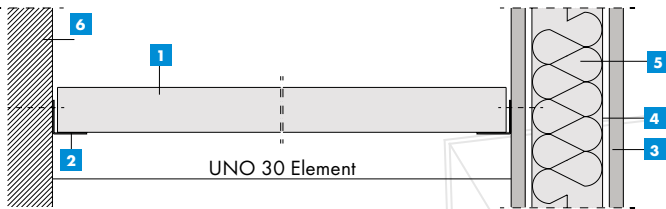
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*) In addition to the test conditions, we consider the Bandraster transverse stiffening to be necessary for practical execution.

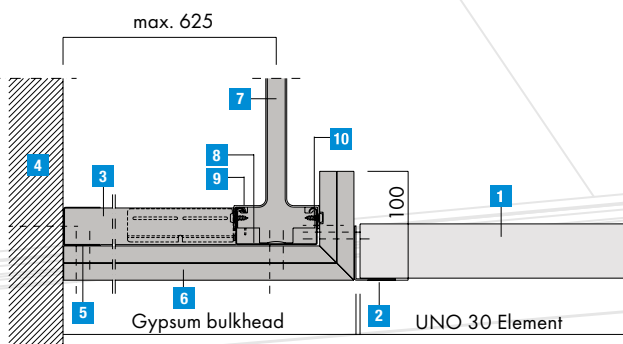
WALL CONNECTIONS

Solid walls and lightweight partition walls



- 1 UNO 30 Element
- 2 Wall angle
- 3 GKF-Board
- 4 CW-Stand
- 5 Mineral wool
- 6 Solid wall

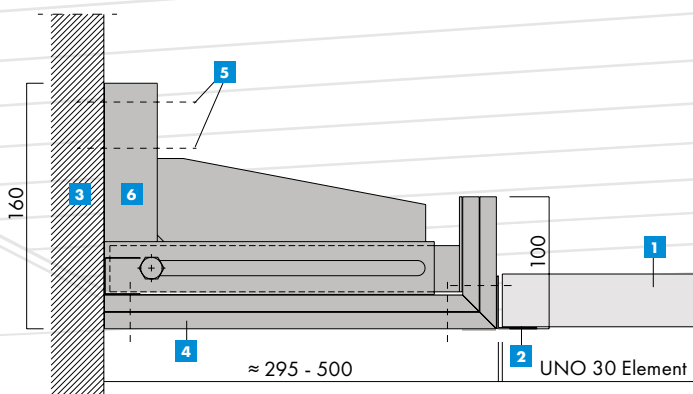
Gypsum bulkhead with nonius hanger



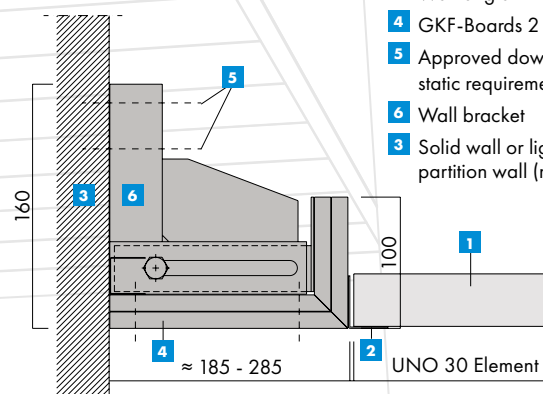
- 1 UNO 30 Element
- 2 Wall angle
- 3 CD-Profile
Distance $a=400$ mm
- 4 Solid wall or lightweight
partition wall (min. F30)
- 5 UD-Profile
- 6 GKF-Boards 2×12.5 mm
- 7 Nonius hangers every 680 mm
- 8 CD-Profile
- 9 Universal connector
- 10 Nonius hangers must be
screwed to CD-Profile

Gypsum bulkhead with wall bracket

Adjustment range
up to 500 mm

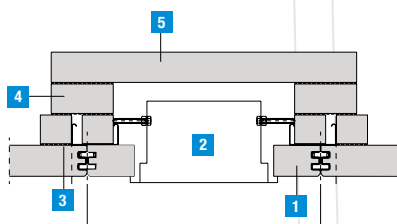


Adjustment range
up to 285 mm



- 1 UNO 30 Element
- 2 Wall angle
- 3 CD-Profile
- 4 GKF-Boards 2×12.5 mm
- 5 Approved dowels according to
static requirements
- 6 Wall bracket
- 7 Solid wall or lightweight
partition wall (min. F30)

Fire protection boxes



- 1 UNO 30 Element
- 2 Fitted lights
- 3 CD-Profile
- 4 Distance strip 40 mm
- 5 Covering Board 40 mm

Fitted lights with fire protection boxes for mineral and metal

YOUR CEILING
OUR SOLUTIONS

Knauf Ceiling Solutions GmbH & Co. KG

Elsenthal 15,
94481 Grafenau, Germany
Phone: +49 8552 422-0
Fax: +49 9323 318-881-856
www.knaufceilingsolutions.com
E-Mail: info.kcs@knauf.com

Registered court: Passau district court,
Registration No.: HRB 1023
VAT No. pursuant to § 27a of the German VAT Act
(Umsatzsteuergesetz): DE131249009
Managing Director:
Karl Wenig