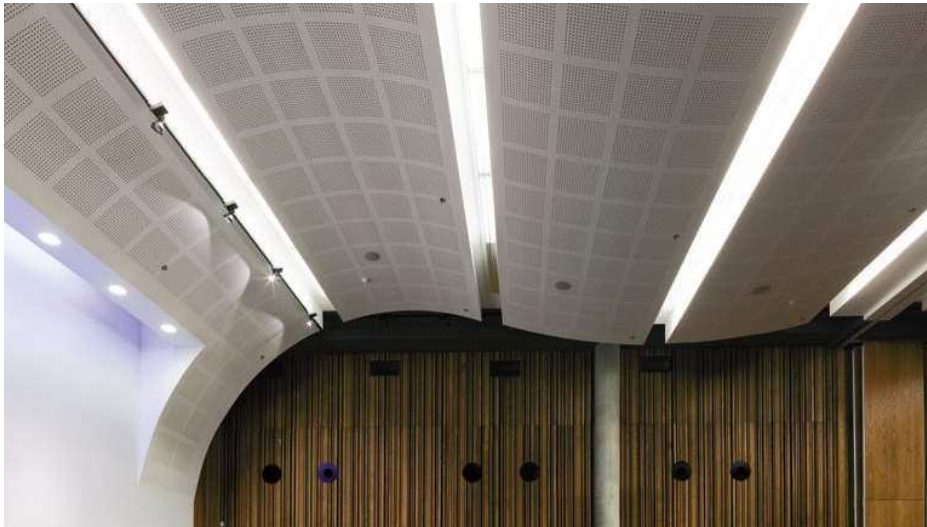
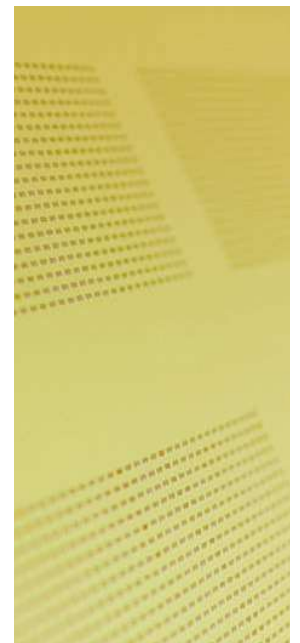


Acoustics & Design Catalogue



02/2016

CATALOGUE UK





WELCOME TO 80 YEARS OF QUALITY & EXPERIENCE

YOUR ROUTE TO INDOOR COMFORT

Knauf is a leading international manufacturer of building materials. At the heart of our work is our courage for vision, innovation and investment, which forms a strong foundation for creating clear decision-making processes and a base for exploring our ideas. The family-owned business operates in over 60 countries, providing construction materials and systems for dry lining, insulation, structural steel, floors and external renders..

WHEN CHOOSING KNAUF, YOU BENEFIT FROM:

- Unmatched expertise gained over five decades of experience
- Sustainable and environmentally friendly materials
- Excellent indoor comfort for building occupants
- Extensive range of technical and design solutions for both ceilings and walls

OUR HIGH QUALITY PRODUCTS INCLUDES

- Demountable T-grid ceilings – an expansive selection of acoustic ceilings tiles with different expressions, design opportunities and acoustic profiles
- Self-supporting ceilings – special purpose acoustic ceilings for corridors and narrow rooms
- Non-demountable ceilings – a variety of acoustic panels for screw-fixing with different design expressions, installation methods and acoustic profiles
- Wall linings – a wide choice of acoustic panels for wall mounting, including the option for complete integration with existing wall construction
- Special purpose – hygienic ceilings, wall panels for cinemas, impact resistant linings for sports halls
- Curved and mitred elements – design elements for organic shapes or well defined edges
- Bespoke designs - a range of wall and ceiling solutions offering complete design freedom

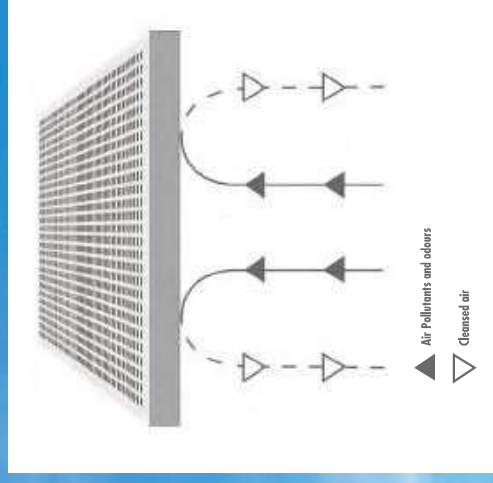
Thanks to our unmatched industry expertise and long experience, we have the knowledge and technical understanding to tailor solutions for every application. Contact us to discuss how we can add value to your next project.

Within the range, there are products which are tested for indoor climate properties (DIM). They have low particle emission and an indoor value of <10 days.

Knauf is ISO 9001 and ISO 14001 accredited.



THE CLEANEO EFFECT



◀ CLEAN ACOUSTICS

Our entire range of acoustic products is available with an innovative air-purifying feature called Cleaneo.

Cleaneo is made of sustainable zeolite crystals that are found in nature in large quantities. When added to the gypsum core, the Cleaneo crystals help to decompose the harmful gasses that are emitted into the room by building materials, furniture and people.

CLEANEO
TECHNOLOGY

ROOM
FOR
EXPRESSION

KNAUF

The Knauf Acoustics and Design catalogue presents our entire product range with the most relevant data. For each product there are technical details, an installation guide and an accessories overview.

To download drawings, photos and other digital data, please go to our website knauf.co.uk.

WELCOME TO KNAUF ACOUSTIC AND DESIGN CATALOGUE

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Ensuring acoustic comfort - which Knauf ceiling do you need?

Do you need a demountable or fixed ceiling construction?

Demountable / T-grid ceilings
Direct access to services in the void above

Fixed ceilings
Indirect access to services in the void above



What is the purpose of the room?

Hygiene rooms

Corridors or narrow rooms

Other rooms

Rooms for sport

Other rooms

Fully visible

Concealed

Concealed

Dry system (discreet visible joint)

Dry system - discreet visible joints

Jointed system - finished joints

What visual effect would you prefer?

Concealed

Fully visible

Recessed

Directional

Geometric

No Perforation

Donatile or Medley **7**

Corridor 400 **2 4 5 6 7**

Contur **1 2 4 5 6 7**

Plaza **1 2 4 5 6 7**

Belgravia **1 2 4 5 6 7**

Visona **5 7**

Contrapanel **2 7**

Tectopanel **2 4 5 6 7**

Drypanel or Danopanel **2 4 5 6 7**

Akustikpanel **2 4 5 6 7**

Solopanel or Stratopanel **2 6 Stratopanel 3**

Which expression do you want the perforations to give?

1 Monolithic

2 Retro

3 Organic

4 Discreet

5 Directional

6 Geometric

7 No Perforation

Unity **3, 8/15/20, 4**

Globe **6/18, 8/18, 10/23, 12/25, 15/30, 8/12/50, 12/20/66**

Random Glbbs **8/15/20, 12/20/35**














Micro

Tangent or Slot

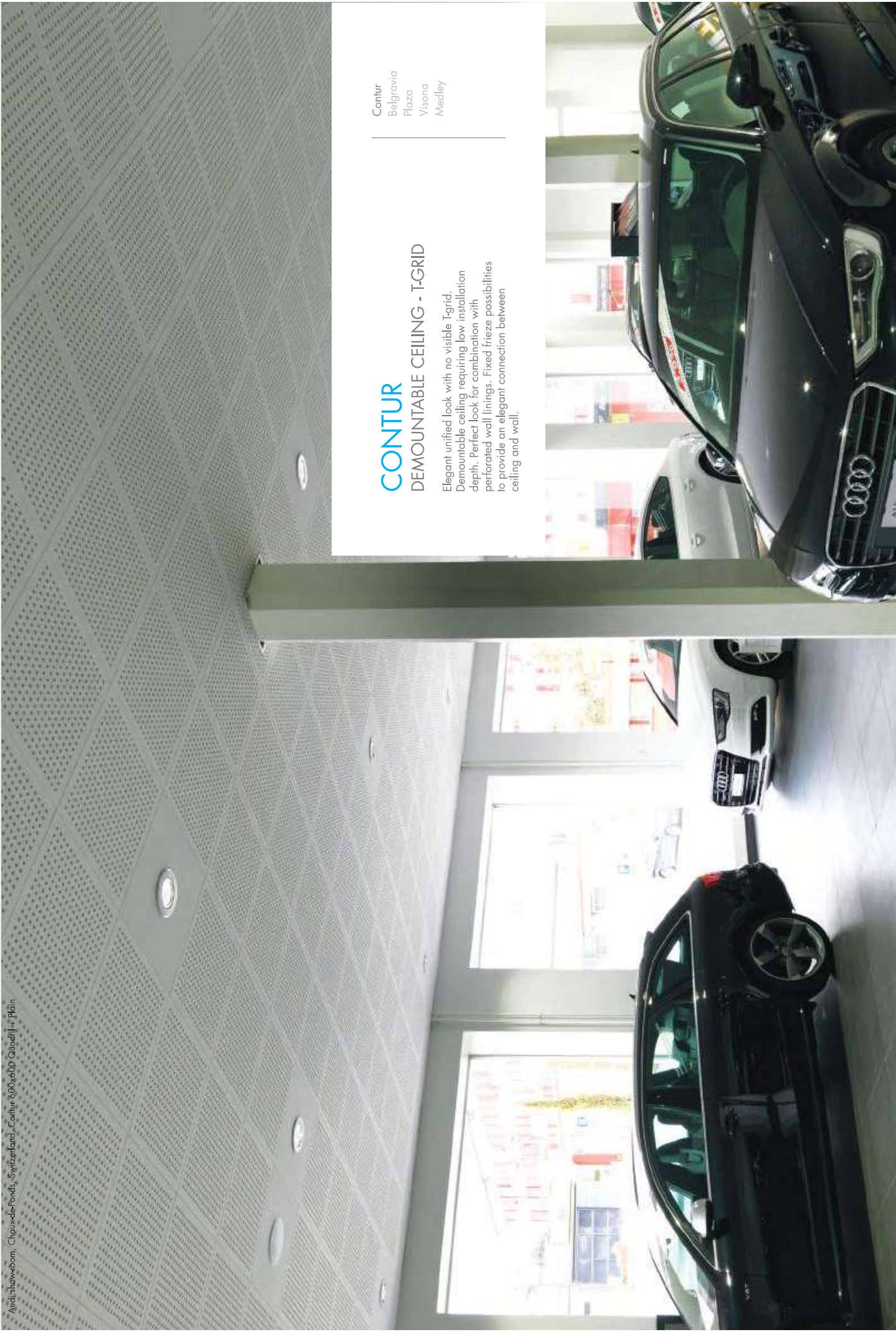
Quadril **12/18, 12/25**

Plain

PRODUCT OVERVIEW

PRODUCT	EDGE	DESIGN	SIZE (mm)	APPLICATION	PAGE
CONTUR	 D D-PLUS 	Globe Quadril Micro Tangent Plain Unity 3 Unity 4 Unity 8 15 20	600 x 600 x 12.5	Demountable, suspended ceiling in concealed T-grid	12
BELGRAVIA	 E	Globe Quadril Micro Tangent Plain Unity 3 Unity 4 Unity 8 15 20	600 x 600 x 12.5	Demountable, suspended ceiling in recessed T-grid	20
PLAZA	 A A-PLUS 	Globe Quadril Micro Tangent Plain Unity 3 Unity 4 Unity 8 15 20	600 x 600 x 9.5* 600 x 600 x 12.5 600 x 1200 x 9.5* 600 x 1200 x 12.5*	Demountable, suspended ceiling in visible T-grid * Not with Tangent, U3, U4 and U8 15 20	28
VISONA	 B  E	Tangent Plain Unity 3 Unity 4 Unity 8 15 20	400 x 1200 x 12.5 300 x 1200 x 12.5	Demountable, suspended ceiling in double T-grid with Drag, n° Drop feature for flexible ceiling and lighting design	36
MEDLEY	 A	Plain	600 x 600 x 9.5	Demountable T-grid ceiling with a matt, dust proof foil surface. Robust ceiling that is easy to mount and clean.	44
CORRIDOR 400	 D	Globe Quadril Micro Tangent Plain	400 x 1200 x 9.5 400 x 1800 x 9.5 400 x 2400 x 9.5 400 x L x 9.5	Demountable self-supporting ceiling requiring no hangers, for corridors and narrow rooms. Easy access to cavity	52
CORRIDOR PLANKS	Edge A, D, E. Please go to page 63 for details.	Plaza Belgravita Contur	300 x L x 9.5 / 12.5 Max. length: 2100 mm	Rectangular ceiling modules with free span up to 2100 mm. Available with 4 different edges enabling a range of elegant designs.	60
AKUSTIKPANEL	 TE  SK  FF	Globe Quadril Micro Tangent/Slat Plain	1200 x 2400 x 12.5 900 x 2700 x 12.5 900 x 2400 x 12.5* * [Only tangent]	Non-demountable ceiling & wall lining. Four tapered edges for continuous ceiling and wall design; Possibility of full integration with existing wall construction	Ceiling 102 Wall 164
TECTOPANEL	 B	Globe Quadril Micro Tangent Plain	600 x 600 x 12.5 300 x 1200 x 12.5 400 x 1200 x 12.5 600 x 1200 x 12.5* 600 x 2400 x 12.5* 400 x 600 x 12.5** 400 x 600 x 9.5***	Non-demountable ceiling & wall lining. Filling of screw holes and painting required. * Only G, Q, R ** Only C, R *** Only R	Ceiling 64 Wall 144

PRODUCT	EDGE	DESIGN	SIZE (mm)	APPLICATION	PAGE
SOLOPANEL	 SK  FF	G6/18 G8/18 G10/23 G12/25 G15/30 G8/18 G8/12/50 G12/20/66	For sizes, please go to page 93.	Non-demountable ceiling & wall lining with regular perforation pattern; perforation to the edge leaving a completely homogeneous surface	Ceiling 90 Wall 166
STRATOPANEL	 SK  FF	G8/15/20 G12/20/35	For sizes, please go to page 105.	Non-demountable ceiling & wall lining with random perforation pattern; perforation to the edge leaving a completely homogeneous surface	Ceiling 102 Wall 174
DRYPANEL	 MF	G8/18 G10/23 G12/25 G12/20/66	1188 x 1998 1196 x 2001 1200 x 2000 1188 x 1980	Non-demountable ceiling and wall lining with regular perforation pattern. A solution that is extremely quick and easy to install and does not require any jointing.	Ceiling 116 Wall 182
CONTRAPANEL	 B	Globe Plain	600 x 1200 x 12.5 600 x 1800 x 12.5 600 x 2400 x 12.5	Special purpose impact resistant ceiling and wall lining for sports halls and gymnasiums	Ceiling 128 Wall 188
DANOPANEL	 B	Globe Quadril Micro Tangent Plain	600 x 600 x 12.5	Non-demountable ceiling lining, supplied pre-painted from factory, equipped with hidden fixings. No joint filling required.	136
KINOPANEL	 B	Kino	600 x 600 x 12.5	Special purpose wall lining for extraordinary acoustic regulation in cinemas	255
AMFPANEL	 B	Tangent	600 x 600 x 12.5 600 x 900 x 12.5	Special purpose wall lining for extraordinary acoustic regulation in cinemas	255
ADIT	Tangent	Tangent	450 x 2400 x 9.5	Special purpose wall lining for exceptionally quick and easy acoustic regulation in existing rooms. Minimum disturbance of the daily activities in the rooms.	224
VINOVAPANEL and CREATOVAPANEL	 On request	On request	Bespoke sizes up to 1200 x 3000. Thickness on request	Bespoke ceiling and wall lining with non-combustible core, incorporating any finish including high pressure laminate, continuous pressure laminate, veneer and digital print	208 and 212
DANOTILE	 A	Plain	600 x 600 x 6.5 600 x 600 x 9.5 600 x 1200 x 6.5 600 x 1200 x 9.5	Special purpose hygiene ceiling. Demountable, suspended ceiling in visible T-grid	232



CONTUR DEMOUNTABLE CEILING - T-GRID

Elegant unified look with no visible T-grid.
Demountable ceiling requiring low installation depth. Perfect look for combination with perforated wall linings. Fixed frieze possibilities to provide an elegant connection between ceiling and wall.

Contur
Belgravia
Plaza
Visona
Medley



CONTUR DEMOUNTABLE CEILING - T-GRID

SIZES

600 x 600 x 12.5 mm
Other sizes are available. Please contact a Knauf representative for further details.

SURFACE

Standard white painted surface (closest match RAL 9003, glass 5)
Other colours available on request

CLEANING

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions.

AMBIENT CONDITIONS

The product is designed to perform under normal conditions of use. Tested at 70% RH and 25°C. The product can withstand ambient temperatures of up to 50°C.

LIGHT REFLECTION

Globe: 72.8%
Quadril: 75.1%
Micro: 72.1%
Tangent: 70.9%
Unity 3: 69.2%
Unity 4: 72.5%
Unity 8|15|20: 72.2%
Plain: 82.6%

LOAD-BEARING CAPACITY

1 / A / No load

For more details, please refer to page 261.

FIRE CLASS

A2-s1,d0

ROBUSTNESS

Made of robust, glass fibre reinforced material with excellent pressure resistance. Under normal conditions of use, the product properties are preserved and there is no decomposition of material over time.

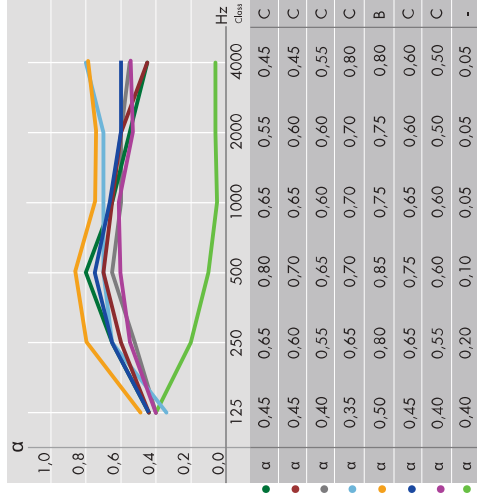
Perforation	Tile weight*	Transportation weight*	Installed weight*
Globe	9.2	10.1	10.7
Quadril	9.1	9.9	10.6
Micro	9.2	10.0	10.6
Tangent	9.1	9.9	10.6
Unity 3	9.1	9.9	10.6
Unity 4	9.1	9.9	10.6
Unity 8 15 20	9.2	10.1	10.7
Plain	9.9	10.8	11.4

CLEaneo TECHNOLOGY

CERTIFICATES

- FDES LCA Declaration
- Declaration of Conformity (EN 14190)
- Danish Indoor Climate Labelling (DIM)
 - Indoor value: 10 days
 - Particle emission: low (< 0.75 mg)

ACOUSTICS



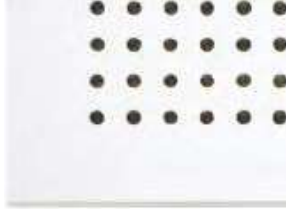
- Globe, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.65
- Quadril, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.65
- Micro, 200 mm suspension, no mineral wool aw: 0.65, NRC: 0.60
- Tangent, 200 mm suspension, no mineral wool aw: 0.70, NRC: 0.70
- Unity 3, 200 mm suspension, no mineral wool aw: 0.80, NRC: 0.80
- Unity 4, 200 mm suspension, no mineral wool aw: 0.65, NRC: 0.65
- Unity 8|15|20, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.55
- Plain, 200 mm suspension, no mineral wool aw: 0.10, NRC: 0.05

For acoustic data on alternative constructions please visit knauf.co.uk



DESIGN

Other perforation patterns are manufactured to order.



Globe, Ø6 mm,
15 mm c/c
Perforation: 10.2%



Quadril, 12 x 12 mm,
30 mm c/c
Perforation: 13%



Micro, 3 x 3 mm,
8.3 mm c/c
Perforation: 10.2%



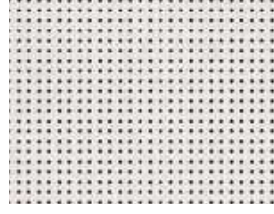
Tangent, 4 x 14 mm,
10/20 mm c/c
Perforation: 19.7%



Plain



Unity 3, 3.5 x 3.5 mm,
8 1/2 mm c/c
Perforation: 17.2%



Unity 4, Ø4 mm
10 mm c/c
Perforation: 12.2%



U8|15|20,
Ø8 mm, Ø15 mm, Ø20 mm
Perforation: 10.8%

EDGES

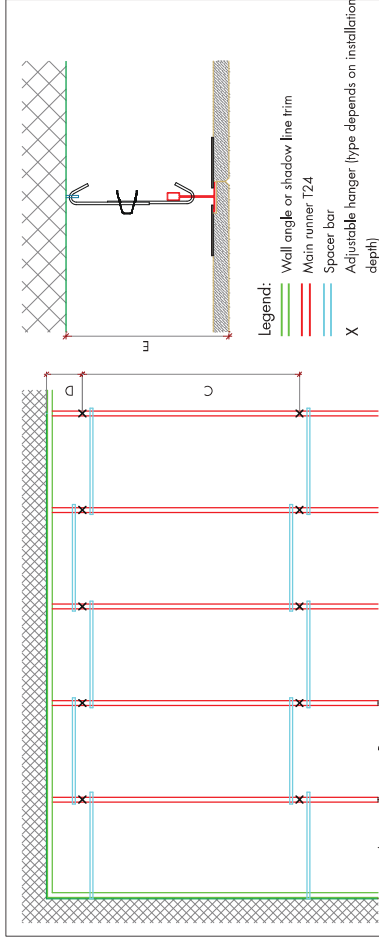


Edge D
(rebated and grooved) / S24
Concealed grid

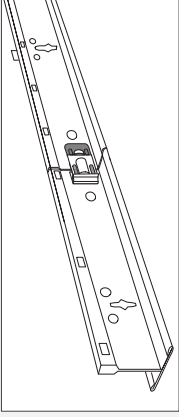


Edge D-PLUS
Concealed grid
For Unity 3, Unity 4 and Unity 8|15|20

INSTALLATION GUIDE 600 x 600 mm module

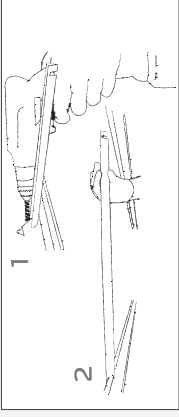


A = Max. 600 mm B = 600 mm C = Max. 1500 mm D = Max. 100 mm E = Min. 63 mm
 Best Practice: Use of **clean cotton gloves** when handling product elements will ensure a good result and a ceiling without fingermarks.



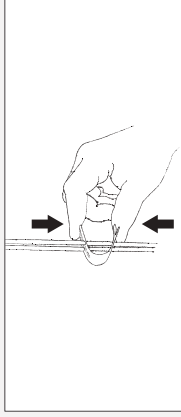
MAIN RUNNERS

- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a cross-cut saw with a special blade.
- Make sure there is a hanger between the end joints of the main runners and the fire break.



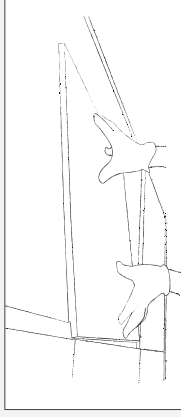
SPACER BARS

- Align the first main runner along one of the walls and secure it with the help of adjusted spacer bars screwed into the wall (1).
- Install the other spacer bars (2).
- NB! When using 50 mm direct hangers, the spacer bars must be installed at the same time as the main runners (or it will not be possible to install the spacer bars).



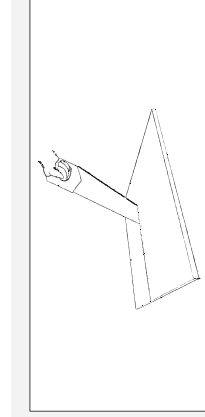
ADJUSTMENT

- Check that all profiles are at correctly aligned when the entire suspension grid has been installed.
- Adjust the hangers so that they are taut and the ceiling surface is level.



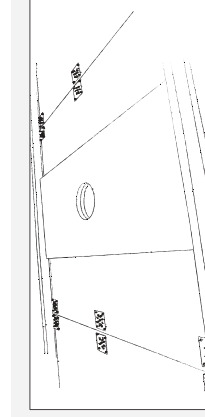
INSTALLATION

- Always wear clean cotton gloves when handling ceiling elements.
- Install the elements by lifting the "male" side up across the one main runner, then push the "female" side into position on the opposing main runner and lower the "male" side on the first main runner.
- Check that all metal clips are resting on the main runner.



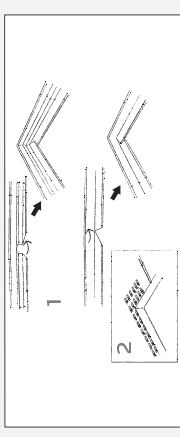
CUTTING AND FINISHING

- Cut the elements to size from the front with a fine-toothed saw.
- If metal clips are installed in the place where the element is to be cut, they must be removed first.
- Grip the meld with a pair of pliers and twist it off gently.
- A new metal clip can be pressed into position with a clip mousing tool (available from Kraut...).



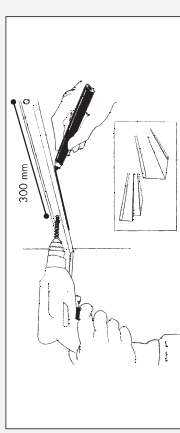
FIXTURES AND FITTINGS

- With smaller units (of up to 3kg) a reinforcement panel of sufficient strength can be installed behind the Contur element.
- The reinforcement panel must extend all the way into the main runners, so that the weight is transferred to them.
- The total weight should not be greater than 3kg for each m² of ceiling. Where loads are greater than 3kg/m², additional hangers must be used.
- Units over 3kg. should be installed independently, so that they do not place any load on the ceiling.



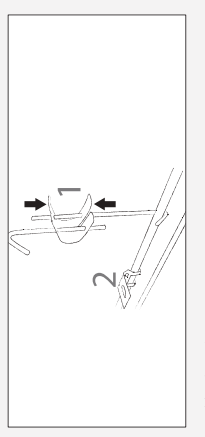
MARKING AND WALL ANGLES

- Mark the location of the wall angles on the walls and columns in relation to the required ceiling height.
- Install the wall angles at max. 300 mm c/c. Choose the fixings in accordance with the substrate.



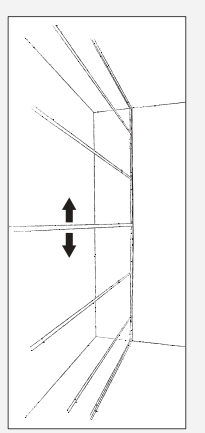
CORNERS

- Inside corners (1): cut the corners in a false mitre letting the ends overlap each other, unless anything to the contrary is specified. Finish with a corner cover, if necessary.
- Outside corners (2): must always be mitred. Finish with a corner cover if necessary.



HANGERS

















- Fix adjustable hangers (1) with eye screws or similar securely fastened to the primary construction.
- Direct hangers (2) are secured to the ceiling using appropriate fixings in accordance with the substrate and locked to the main runner with a nail.
- Install the first hanger at max. 100 mm from the wall. The other hangers should be installed at max. 1500 mm c/c.
- If loads from light fittings etc. are to be borne by the ceiling, install additional hangers.
- Refer to distances in figure 1.

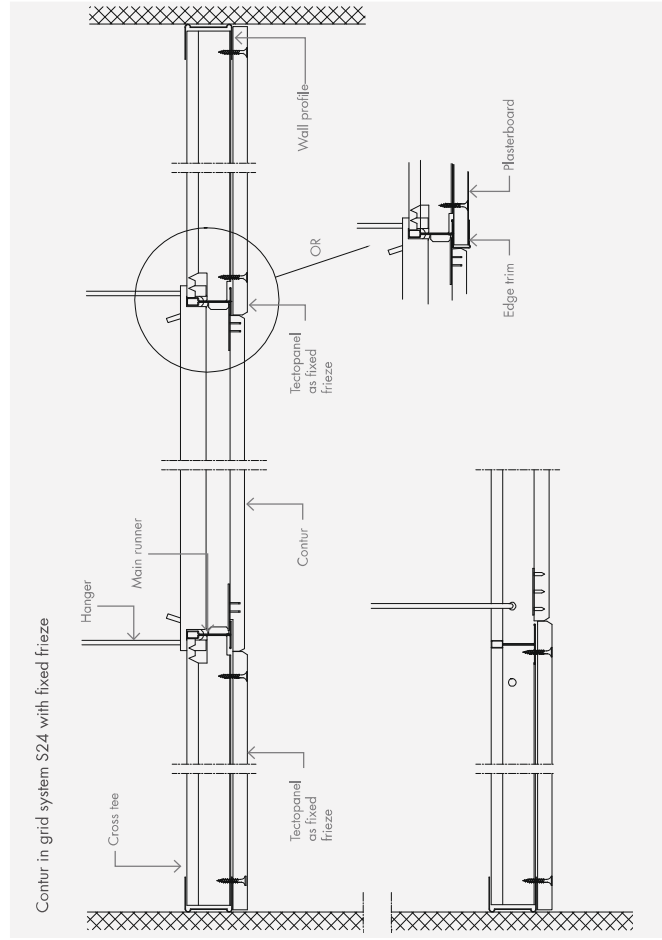
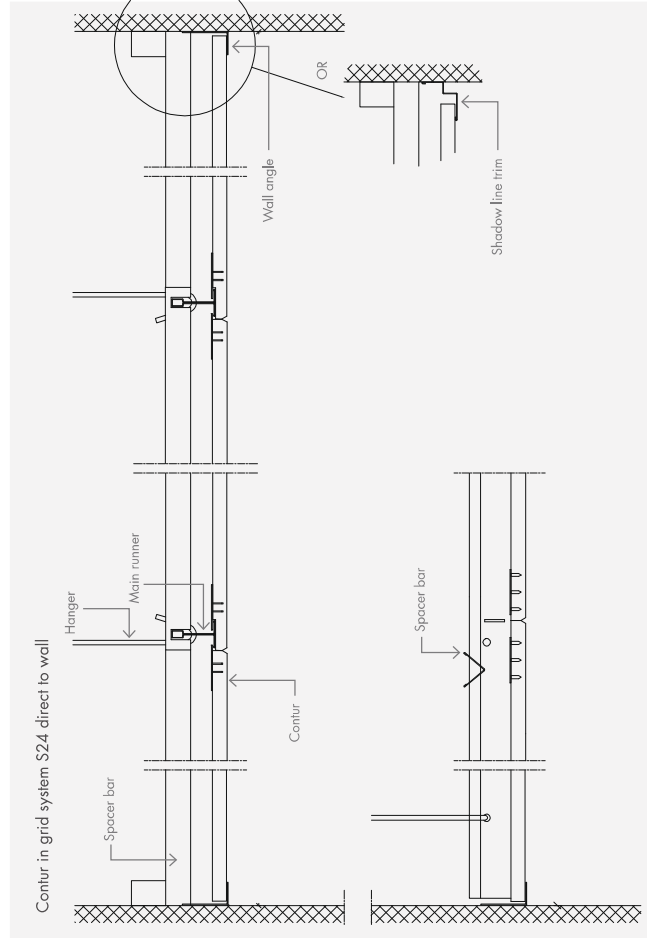


CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.
- The location of light fittings and ventilation units will have an influence on ceiling layout.
- Install the first main runner at max. 600 mm from the wall. The other main runners should be installed at 600 mm c/c (based on module 600).

ACCESSORIES

PRODUCT NAME	MATERIAL NO.	W x L x H (mm)
 Main runner T24	457385	24 x 3700 x 38
 Cross tee T40 (galvanized)	316299 316297	40 x 600 x 38 40 x 1200 x 38
 Spacer bar	316190	600
 Wall angle type MIEZ024	316325	20 x 3000 x 24
 Shadow line trim type MS10	316330	19+11 x 3000 / 13+19
 Outside corner for wall angle	3107 3108	for 24 mm Wall angle for 19 mm Wall angle
 Inside corner for wall angle	3109 3110	for 24 mm Wall angle for 19 mm Wall angle
 Wall profile	316346	32 x 3000 x 41
 Direct hanger	431912 316304 316302	50 80 100
 Adjustable hanger The size specification indicates the min. and max. range	469861 469868 469872 469876 469878 469880 469881	100 - 300 300 - 600 600 - 1000 1000 - 1250 1250 - 1500 1500 - 1750 1750 - 2000
 Fixing tool for clips	198353	-
 Clips	3385	40 x 40 x 1/11
 Clips	3386	40 x 40 x 1/10
 Wall clip	108961	-
 Hold down clip	198361	-
 Repair kit White paint for pre-painted tiles	198956	-



DETAILS

DANOPOR
Extra sound absorption and reduction as backing.
Mineral wool backing sealed in plastic bags.
No risk of dust particles.

SIZES
600 x 600 x 25 mm
600 x 600 x 50 mm





Contur
Belgravio
Plaza
Visona
Medley

BELGRAVIA

DEMOUNTABLE CEILING - T-GRID

Recessed grid look with discreet shading. Classic and highly robust acoustic ceiling. Exceptionally easy to install and demount.



BELGRAVIA

DEMOUNTABLE CEILING - T-GRID

SIZES

600 x 600 x 12,5 mm
600 x 1200 x 12,5 mm
Other sizes are available. Please contact a Knaut representative for further details.

SURFACE

Standard white painted surface (closest match, RAL 9003, gloss 5)
Other colours available on request

CLEANING

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions.

AMBIENT CONDITIONS

The product is designed to perform under normal conditions of use. Tested at 70% RH and 25°C. The product can withstand ambient temperatures of up to 50°C.

LIGHT REFLECTION

Globe: 72,8%
Unity 3: 69,2%
Unity 4: 72,5%
Micro: 75,1%
Tangent: 70,9%
Plain: 82,6%

LOAD-BEARING CAPACITY

1 / A / No load	Globe, Quadril, Micro, Tangent, Plain, Unity 3, Unity 8 15 20
600 x 600	GIF, QIF, MIF, R
2 / A / No load	600 x 1200
2 / A / 30 N	Globe, Quadril, Micro, Plain
2 / B / No load	600 x 600
	Globe, Quadril, Micro, Plain

For more details, please refer to page 261.

FIRE CLASS

A2-s1,d0

ROBUSTNESS

Made of robust, glass fibre reinforced material with excellent pressure resistance. Under normal conditions of use, the product properties are preserved and there is no decomposition of material over time.

Perforation	Tile weight*	Transportation weight*	Installed weight*	(ρ_u / ρ_{pl}) ⁺
Globe	8.2	9.0	9.7	
Quadril	8.1	8.9	9.6	
Micro	8.2	9.0	9.7	
Tangent	8.1	8.9	9.6	
Unity 3	8.1	8.9	9.6	
Unity 4	8.1	8.9	9.6	
Unity 8 15 20	8.2	9.0	9.7	
Plain	9.9	10.8	11.4	



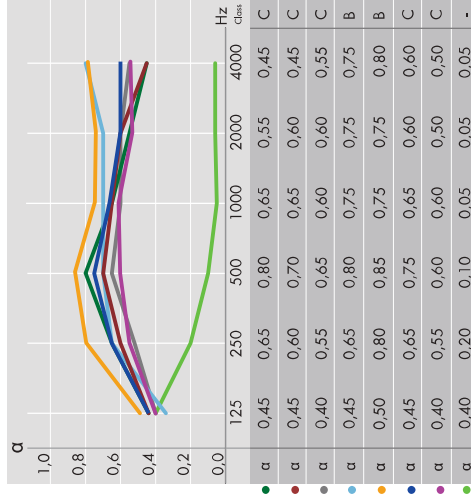
CLENEO

TECHNOLOGY

CERTIFICATES

- FDES LCA Declaration
- Declaration of Conformity (EN 141190)
- Danish Indoor Climate Labelling (DIM)
 - Indoor value: 10 days
 - Particle emission: low (< 0.75 mg)

ACOUSTICS



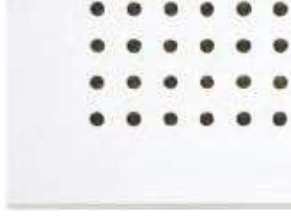
- Globe, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.65
- Quadril, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.65
- Micro, 200 mm suspension, no mineral wool aw: 0.65, NRC: 0.60
- Tangent, 200 mm suspension, no mineral wool aw: 0.80, NRC: 0.75
- Unity 3, 200 mm suspension, no mineral wool aw: 0.80, NRC: 0.80
- Unity 4, 200 mm suspension, no mineral wool aw: 0.65, NRC: 0.65
- Unity 8|15|20, 200 mm suspension, no mineral wool aw: 0.60, NRC: 0.55
- Plain, 200 mm suspension, no mineral wool aw: 0.10, NRC: 0.05



For acoustic data on alternative constructions please visit knaut.co.uk

DESIGN

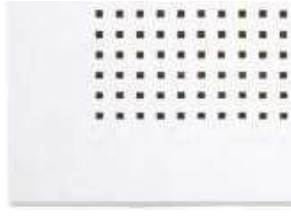
Other perforation patterns are manufactured to order.



Globe, Ø6 mm, 15 mm c/c
Perforation: 10.2%



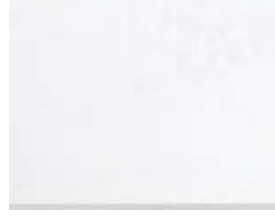
Quadril, 12 x 12 mm, 30 mm c/c
Perforation: 13%



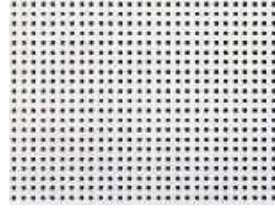
Micro, 3 x 3 mm, 8.3 mm c/c
Perforation: 10.2%



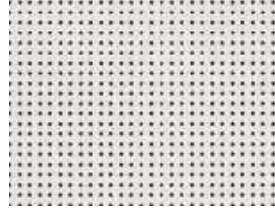
Tangent, 4 x 14 mm, 10/20 mm c/c
Perforation: 21.3%



Plain



Unity 3, 3.5 x 3.5 mm, 8½ mm c/c
Perforation: 17.2%



Unity 4, Ø4 mm, 10 mm c/c
Perforation: 12.2%



Unity 8|15|20, Ø8 mm, Ø15 mm, Ø20 mm
Perforation: 10.8%

EDGES

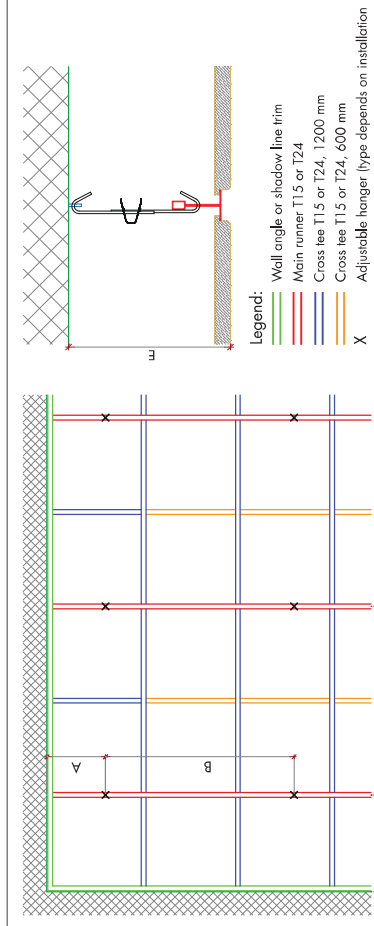


Edge E
(TEGUJARI) / S15 OR S24
Recessed grid

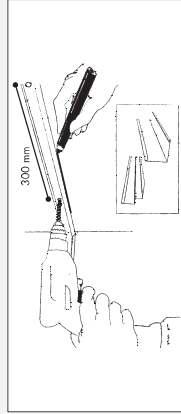


Edge E-PLUS
for Unity 3, Unity 4 and Unity 8|15|20
Recessed grid

INSTALLATION GUIDE 600 x 600 mm module

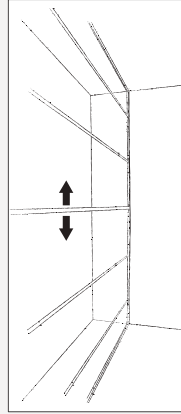


A = Max. 400 mm B = Max. 1200 mm C = Max. 600 mm D = 600/1200 mm E = Min. 120 mm
 Fig. 1 Best Practice: Use of **clean cotton gloves** when handling product elements will ensure a good result and a ceiling without fingerprints.



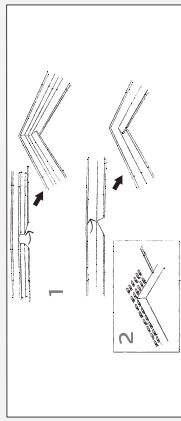
MARKING AND WALL ANGLES

- Mark the location of the wall angles on the walls and columns in relation to the required ceiling height.
- Fix the wall angles at max. 300 mm c/c. Choose the fixings in accordance with the substrate.



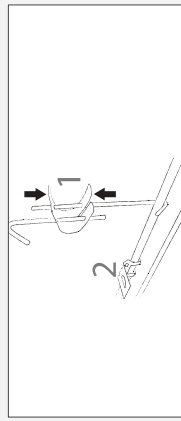
CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.
- The location of light fittings and ventilation units will have an influence on ceiling layout.
- The first main runner is installed at max. 600 mm from the wall. The other main runners should be installed at 600/1200 mm c/c.



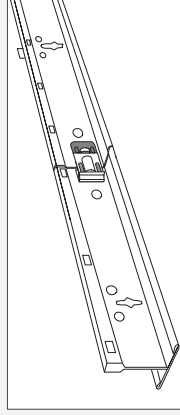
CORNERS

- Inside corners (1): cut the corners in a false mitre letting the ends overlap each other, unless anything to the contrary is specified.
- Outside corners (2): must always be mitred.



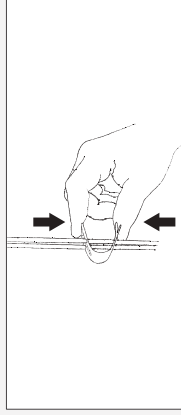
HANGERS

- Fix adjustable hangers (1) with eye screws or similar securely fastened to the primary construction.
- Direct hangers (2) are secured to the ceiling using appropriate fixings in accordance with the substrate and locked to the main runner with a nail.
- Install the first hanger at max. 400 mm from the wall. The other hangers should be installed at max. 1200 mm c/c.
- If loads from light fittings etc. are to be borne by the ceiling, install additional hangers.
- Refer to distances in figure 1.



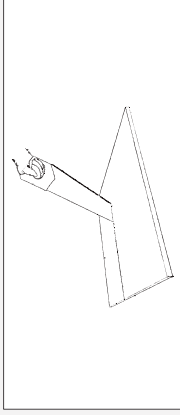
MAIN RUNNERS

- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Note that the T-profiles should be positioned 8mm higher than the finished ceiling level.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a cross-cut saw with a special blade.
- Make sure there is a hanger between the end joints of the main runners and the fire break.



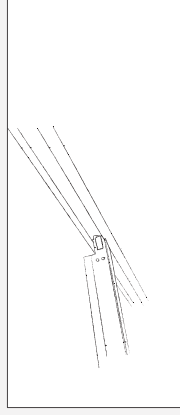
ADJUSTMENT

- Check that all profiles are correctly aligned when the entire suspension grid has been installed.
- Adjust the hangers so that they are taut and the ceiling surface is level.



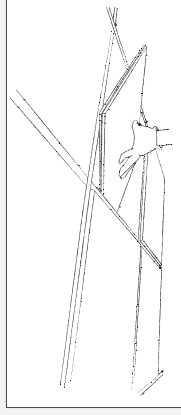
CUTTING

- Cut the elements to size from the front face with a fine-toothed saw.



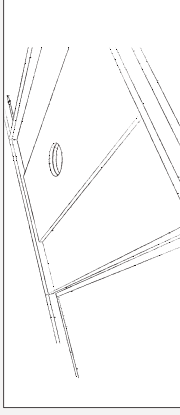
CROSS PROFILES

- Push the snap-in tongue into the slot on the main runner until it securely clicks into place.
- If there is a cross profile on the opposite side of the main runner, the new one must be on the left hand side of the one already in place.



INSTALLATION


















- Always wear clean cotton gloves when handling ceiling elements.
- Install the elements by tilting them up between the T-profiles.

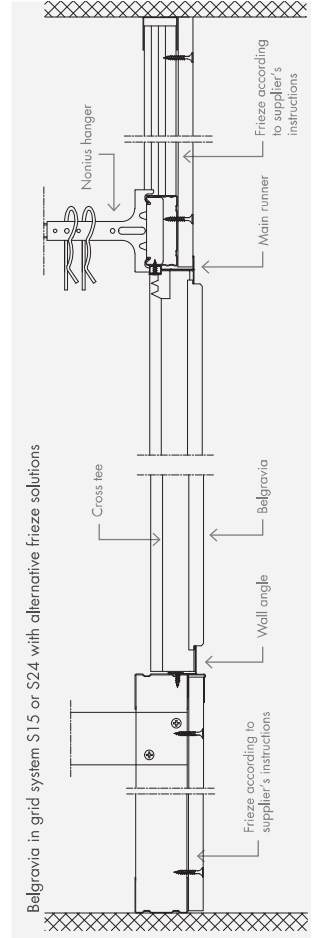
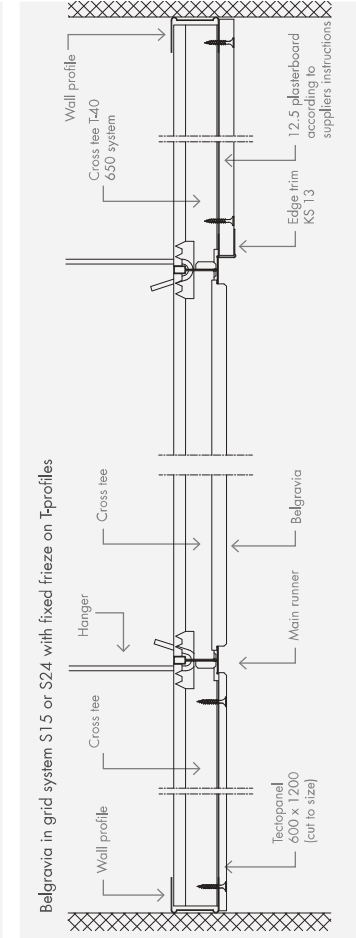
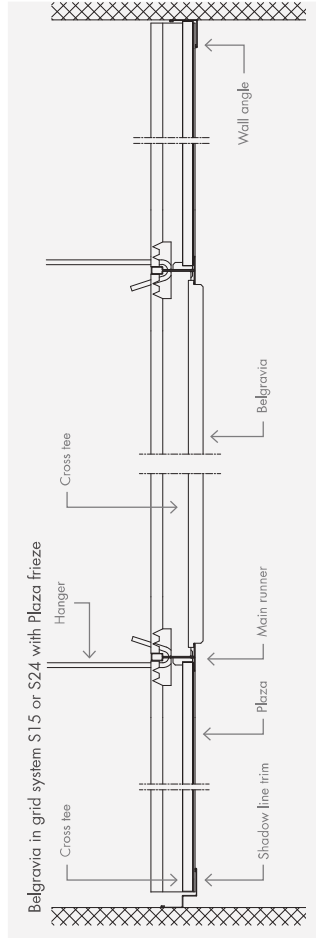
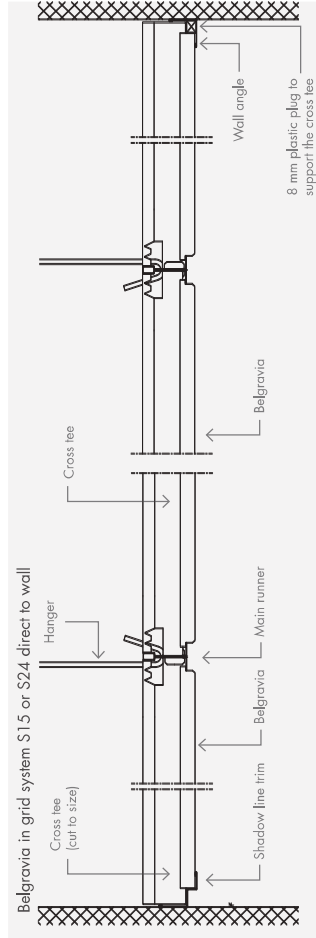


FIXTURES AND FITTINGS

- For sizes up to 625x625 not in Tangent perforation, units of up to 3kg can be installed directly into the panel without reinforcement.
- For larger module sizes and all sizes with Tangent perforation a reinforcement panel of sufficient strength can be installed behind the Belgravia element.
- The reinforcement panel must extend all the way into the main runners, so that the weight is transferred to them.
- The total weight should not be greater than 3kg for each m² of ceiling. Where loads are greater than 3kg/m², additional hangers must be used.
- Units over 3kg should be installed independently, so that they do not place any load on the ceiling.

ACCESSORIES

PRODUCT NAME	MATERIAL NO.	W x L x H (mm)
 Main runner T24	467385	24 x 3700 x 38
 Cross tee T24	467388 467389	24 x 600 x 38 24 x 1200 x 38
 Main runner T15	450281	15 x 3700 x 38
 Cross tee T15	446380 446381	15 x 600 x 38 15 x 1200 x 38
 Cross tee T40 (galvanized)	316299 316297	40 x 600 x 38 40 x 1200 x 38
 Wall angle type MIE2024	316325	20 x 3000 x 24
 Shadow line trim type MS15	316335	15+15x3000/8+25
 Shadow line trim type MS10	316330	19+11x3000/13+19
 Outside corner for wall angle	3107 3108	for 24 mm Wall angle for 19 mm Wall angle
 Inside corner for wall angle	3109 3110	for 24 mm Wall angle for 19 mm Wall angle
 Wall profile	316346	32 x 3000 x 41
 Direct hanger	431912 316304 316302	50 80 100
 Adjustable hanger The size specification indicates the min. and max. range.	469861 469868 469872 469876 469878 469880 469881	100 - 300 300 - 600 600 - 1000 1000 - 1250 1250 - 1500 1500 - 1750 1750 - 2000
 Hold down clip	430744	-
 Hanger clip	198242	-
 Lamp hanger	8420	-
 Repair kit White paint for preprinted tiles	198956	100 mm NCS 0700

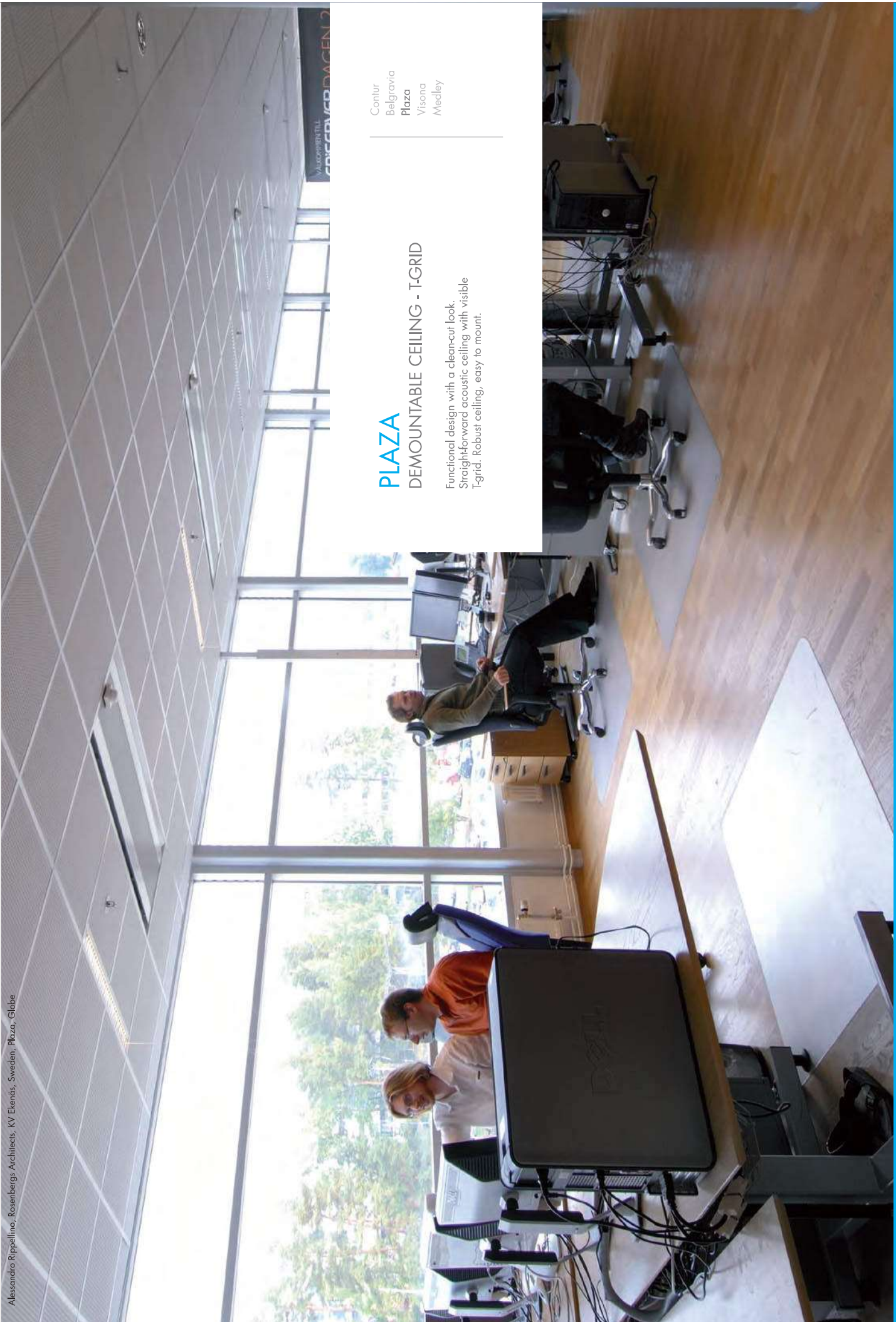


DANOPOR
Extra sound absorption and reduction as backing.
Mineral wool backing sealed in plastic bags.
No risk of dust particles.

SIZES
600 x 600 x 25 mm
600 x 600 x 50 mm



DETAILS



PLAZA DEMOUNTABLE CEILING - T-GRID

Functional design with a clean-cut look.
Straightforward acoustic ceiling with visible
T-grid. Robust ceiling, easy to mount.

Contur
Belgravia
Plaza
Visona
Medley

PLAZA

DEMOUNTABLE CEILING - T-GRID

SIZES

600 x 600 x 9,5 mm* 600 x 1200 x 9,5 mm*
 600 x 600 x 12,5 mm 600 x 1200 x 12,5 mm*
 * Not available with Tangent and Unity perforation
 Other sizes are available. Please contact a Knauf representative for further details

SURFACE

Standard white painted surface (closest match RAL 9003, gloss 5)
 Other colours available on request

CLEANING

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions.

AMBIENT CONDITIONS

The product is designed to perform under normal conditions of use. Tested at 90% RH and 30°C. The product can withstand ambient temperatures of up to 50°C.

LIGHT REFLECTION

Globe: 72.8% Unity 3: 69.2%
 Quadril: 75.1% Unity 4: 72.5%
 Micro: 72.1% Unity 8|15|20: 72.2%
 Tangent: 70.9% Plain: 82.6%

LOAD-BEARING CAPACITY

1 / A / No load 600 x 600 Globe, Quadril, Micro, Tangent, Plain, Unity 3, Unity 8|15|20
 2 / A / No load 600 x 1200 G1F, G1E, M1F, R
 2 / A / 30 N 600 x 600 Globe, Quadril, Micro, Plain
 2 / B / No load 600 x 600 Globe, Quadril, Micro, Plain

For more details, please refer to page 261.

FIRE CLASS

A2-s1, d0

ROBUSTNESS

Made of robust, glass fibre reinforced material with excellent pressure resistance. Under normal conditions of use, the product properties are preserved and there is no decomposition of material over time.

Perforation	Tile weight*	Transportation weight*	Installed weight**
Globe	7.5	8.1	9.0
Quadril	7.4	8.0	8.9
Micro	7.5	8.1	9.0
Tangent	8.1	8.9	9.6
Unity 3	8.1	8.9	9.6
Unity 4	7.4	8.0	8.9
Unity 8 15 20	8.2	9.0	9.7
Plain	8.1	8.7	9.6

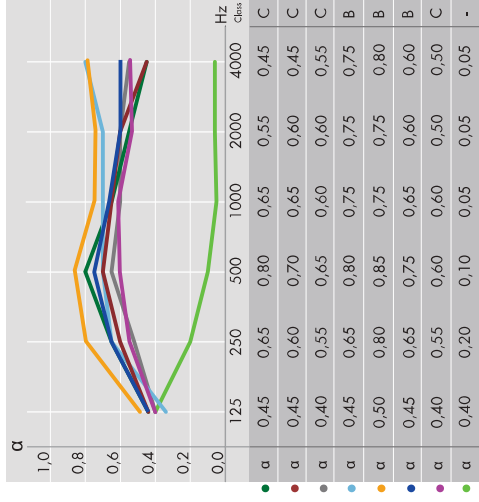
CLEaneo

TECHNOLOGY

CERTIFICATES

- FDES ICA Declaration
- Declaration of Conformity (EN 14190)
- Danish Indoor Climate Labelling (DIM)
 - Indoor value: 10 days
 - Particle emission: low (< 0.75 mg)

ACOUSTICS



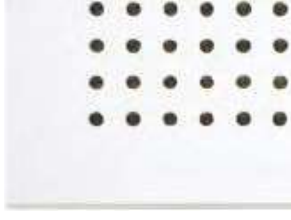
- Globe, 200 mm suspension, no mineral wool αw: 0.60, NRC: 0.65
- Quadril, 200 mm suspension, no mineral wool αw: 0.60, NRC: 0.65
- Micro, 200 mm suspension, no mineral wool αw: 0.65, NRC: 0.60
- Tangent, 200 mm suspension, no mineral wool αw: 0.80, NRC: 0.75
- Unity 3, 200 mm suspension, no mineral wool αw: 0.65, NRC: 0.65
- Unity 4, 200 mm suspension, no mineral wool αw: 0.80, NRC: 0.80
- Unity 8|15|20, 200 mm suspension, no mineral wool αw: 0.60, NRC: 0.55
- Plain, 200 mm suspension, no mineral wool αw: 0.10, NRC: 0.05



For acoustic data on alternative constructions please visit knauf.co.uk

DESIGN

Other perforation patterns are manufactured to order.



Globe, Ø6 mm,
15 mm c/c
Perforation: 10.2%



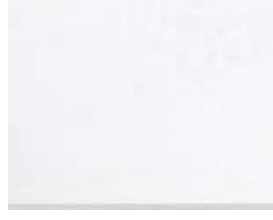
Quadril, 12 x 12 mm,
30 mm c/c
Perforation: 13%



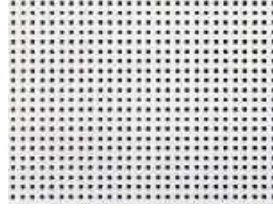
Micro, 3 x 3 mm,
8.3 mm c/c
Perforation: 10.2%



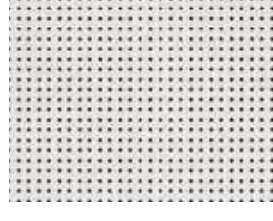
Tangent, 4 x 14 mm,
10/20 mm c/c
Perforation: 21.3%



Plain



Unity 3, 3.5 x 3.5 mm,
8 1/2 mm c/c
Perforation: 17.2%



Unity 4, Ø4 mm
10 mm c/c
Perforation: 12.2%



U8|15|20,
Ø8 mm, Ø15 mm, Ø20 mm
Perforation: 10.8%

EDGES

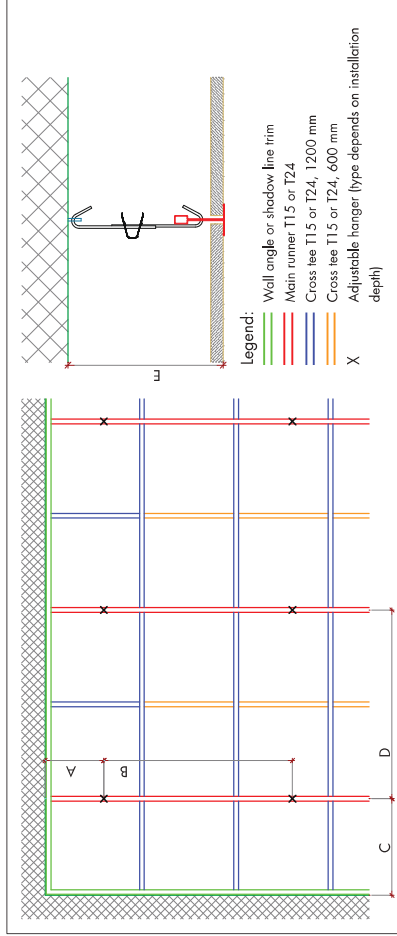


Edge A
(SQUARE EDGE) / S15 or S24
Visible grid



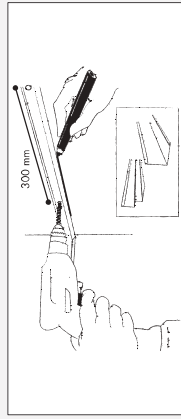
Edge A-PLUS
for Unity 3, Unity 4 and Unity 8|15|20
Visible grid

INSTALLATION GUIDE 600 x 600 mm module



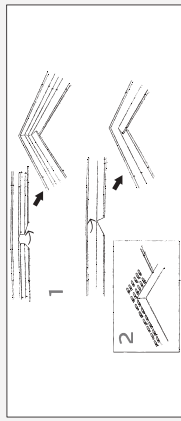
A = Max. 400 mm B = Max. 1200 mm C = Max. 600 mm D = 600/1200 mm E = Min. 120 mm
 Best Practice: Use of **clean cotton gloves** when handling product elements will ensure a good result and a ceiling without fingerprints.

Fig. 1



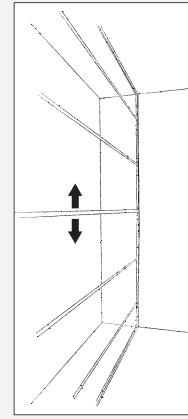
MARKING AND WALL ANGLES

- Mark the location of the wall angles on the walls and columns in relation to the required ceiling height.
- Fix the wall angles at max. 300 mm c/c. Choose the fixings in accordance with the substrate.



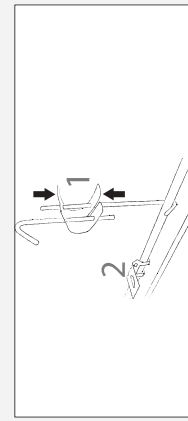
CORNERS

- Inside corners (1): cut the corners in a false mitre letting the ends overlap each other, unless anything to the contrary is specified. Finish with a corner cover, if necessary.
- Outside corners (2): must always be mitred and finished with a corner cover if necessary.



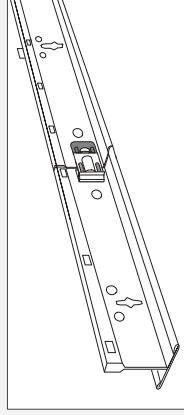
CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.
- The location of light fittings and ventilation units will have an influence on ceiling layout.
- The first main runner is installed at max. 600 mm from the wall. The other main runners should be installed at 600/1200 mm c/c.



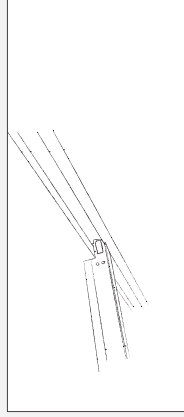
HANGERS

- Fix adjustable hangers (1) with eye screws or similar securely fastened to the primary construction.
- Direct hangers (2) are secured to the ceiling using appropriate fixings in accordance with the substrate and locked to the main runner with a nail.
- Install the first hanger at max. 400 mm from the wall. The other hangers should be installed at max. 1200 mm c/c.
- If loads from light fittings etc. are to be borne by the ceiling, install additional hangers.
- Refer to distances in figure 1.



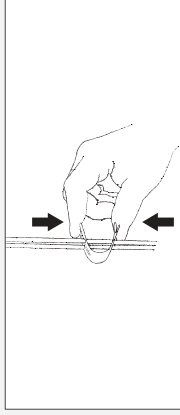
MAIN RUNNERS

- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the runners with metal shears, a hacksaw or a circular power saw with a special blade.
- Make sure there is a hanger between the end joints of the main runners and the fire break.



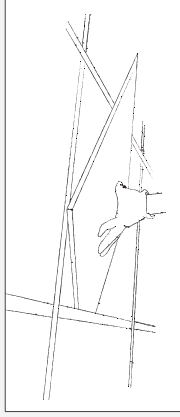
CROSS PROFILES

- Push the snap-in tongue into the slot on the main runner using light downward pressure.
- If there is a cross profile on the opposite side of the main runner, the new one must be on the left hand side of the one already in place.



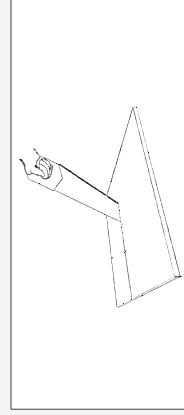
ADJUSTMENT

- Check that all profiles are correctly aligned when the entire suspension grid has been installed.
- Adjust the hangers so that they are taut and the ceiling surface is level.



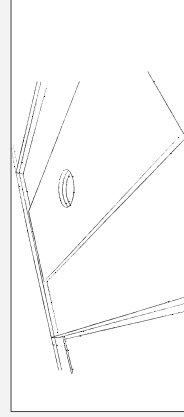
INSTALLATION

- Always wear clean cotton gloves when handling ceiling elements.
- Install the elements.



CUTTING


















- Cut the elements to size from the front face.

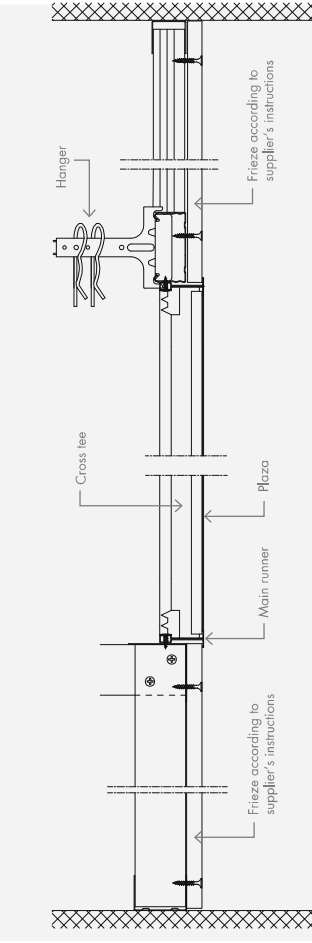
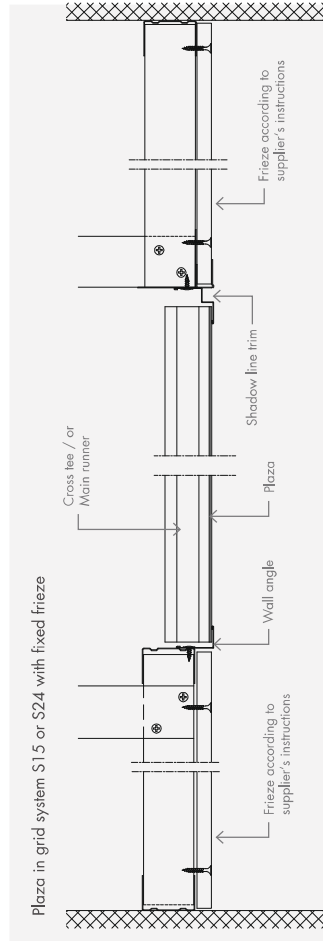
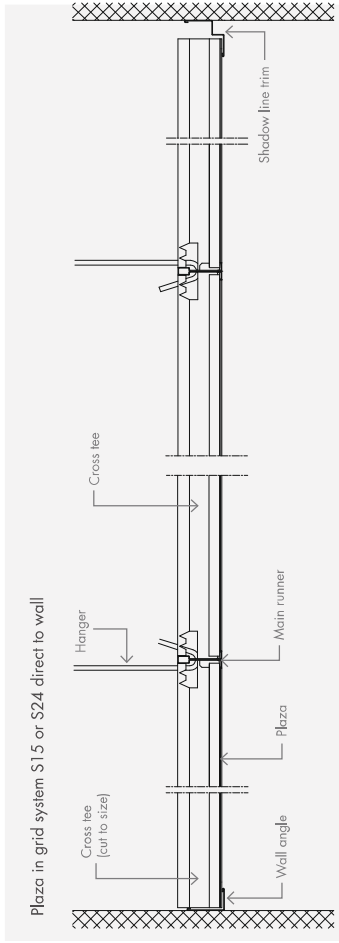


FIXTURES AND FITTINGS

- For sizes up to 625x625 not in Tangent perforation, units of up to 3kg can be installed directly into the panel without reinforcement.
- For larger module sizes and all sizes with Tangent perforation a reinforcement panel of sufficient strength can be installed behind the Plaza element.
- The reinforcement panel must extend all the way into the main runners, so that the weight is transferred to them.
- The total weight should not be greater than 3kg for each m² of ceiling. Where loads are greater than 3kg/m², additional hangers must be used
- Units over 3kg should be installed independently, so that they do not place any load on the ceiling.

ACCESSORIES

PRODUCT NAME	MATERIAL NO.	W x L x H (mm)
 Main runner T24	467385	24 x 3700 x 38
 Cross lee T24	467388 467389	24 x 600 x 38 24 x 1200 x 38
 Main runner T15	450281	15 x 3700 x 38
 Cross lee T15	446380 446381	15 x 600 x 38 15 x 1200 x 38
 Cross lee T40 (galvanized)	316299 316297	40 x 600 x 38 40 x 1200 x 38
 Wall angle type MIEZ024	316325	20 x 3000 x 24
 Shadow line trim type MS15	316335	15+15x3000/8+25
 Shadow line trim type MS10	316330	19+11x3000/13+19
 Outside corner for wall angle	3107 3108	for 24 mm Wall angle for 19 mm Wall angle
 Inside corner for wall angle	3109 3110	for 24 mm Wall angle for 19 mm Wall angle
 Wall profile	316346	32 x 3000 x 41
 Direct hanger	431912 316304 316302	50 80 100
 Adjustable hanger The size specification indicates the min. and max. range.	469861 469868 469872 469876 469878 469880 469881	100 - 300 300 - 600 600 - 1000 1000 - 1250 1250 - 1500 1500 - 1750 1750 - 2000
 Hold down clip	430744	-
 Hanger clip	198242	-
 Lamp hanger	8420	-
 Repair kit White paint for preprinted tiles	198956	100 mm NCS 0700

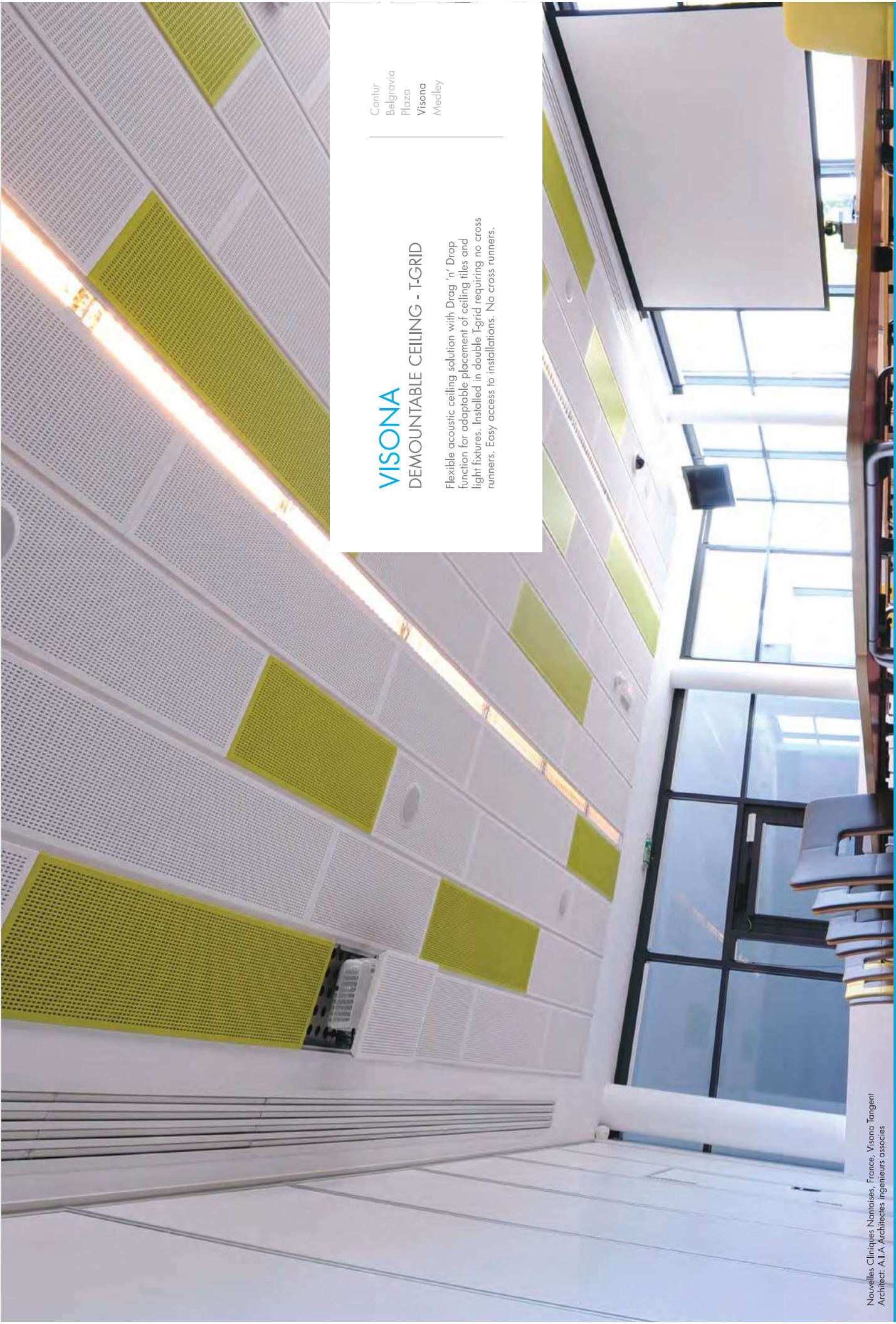


DANOPOR
Extra sound absorption and reduction as backing.
Mineral wool backing sealed in plastic bags.
No risk of dust particles.

SIZES
600 x 600 x 25 mm
600 x 600 x 50 mm



DETAILS



Contur
Belgravia
Plaza
Visona
Medley

VISONA DEMOUNTABLE CEILING - T-GRID

Flexible acoustic ceiling solution with Drag 'n' Drop function for adaptable placement of ceiling tiles and light fixtures. Installed in double T-grid requiring no cross runners. Easy access to installations. No cross runners.

VISONA

DEMOUNTABLE CEILING - T-GRID

SIZES

400 x 1200 x 12.5 mm
300 x 1200 x 12.5 mm

SURFACE

Standard white painted surface
(closest match RAL 9003, gloss 5)
Other colours available on request

CLEANING

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions.

AMBIENT CONDITIONS

The product is designed to perform under normal conditions of use. Tested at 70% RH and 25°C. The product can withstand ambient temperatures of up to 50°C.

LIGHT REFLECTION

Tangent: 70.9%
Plain: 82.6%

LOAD-BEARING CAPACITY

1 / A / No load
For more details, please refer to page 261.

FIRE CLASS

A2-s1,d0

ROBUSTNESS

Made of robust, glass fibre reinforced material with excellent pressure resistance. Under normal conditions of use, the product properties are preserved and there is no decomposition of material over time.

Perforation	Tile weight*	Transportation weight*	Installed weight*
Tangent	8.2	9.1	9.8
Plain	9.0	9.9	10.6



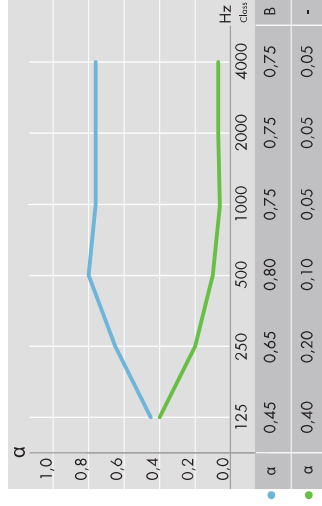
CLEANEО

TECHNOLOGY

CERTIFICATES

- FDES LCA Declaration
- Declaration of Conformity (EN 14190)
- Danish Indoor Climate Labelling (DIM)
 - Indoor value: 10 days
 - Particle emission: low (< 0.75 mg)

ACOUSTICS



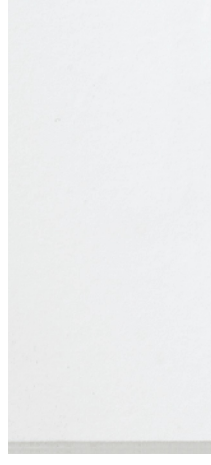
For acoustic data on alternative constructions please visit knauf.co.uk

DESIGN

Other perforation patterns manufactured to order.



Tangent, 4 x 14 mm
10/20 mm c/c
Perforation: 21.3%



Plain

EDGES



Edge E

E lengthwise / B crosswise
(regular / bevelled edge) / S24
Recessed grid lengthwise /
No grid crosswise

