

INSTALLATION GUIDE

VISONA

KNAUFDANOLINE



VISONA (E/B)

- Lay-in tile for demountable acoustical ceiling
- Installation in double T-grid
- Edge E lengthwise ; edge B crosswise (no cross tees required)

CONDITIONS OF USE

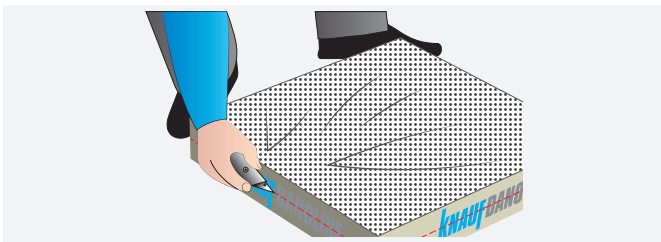
- For internal fitout of buildings
- To be installed in a closed-off building

STORAGE

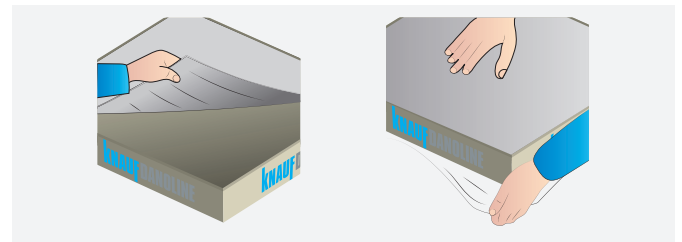
The products must be:

- stored indoors clean and dry
- positioned on a level base
- protected from direct moisture
- stored at humidities of less than 70% RH and temperatures of less than 50°C
- protected from impact and shock
- stacked max. 2 pallets on top of each other

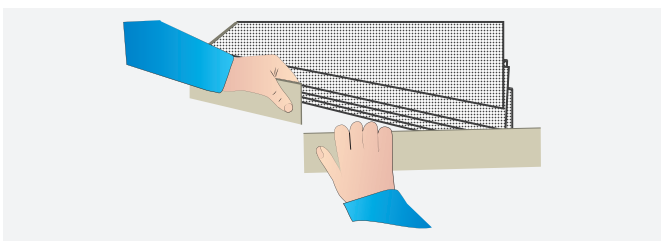
PACKAGING OPENING



- Cut the plastic wrapping by running a knife along the sides of the package. Do not cut the plastic on top of the package.

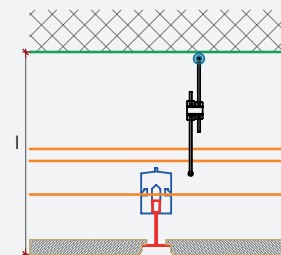
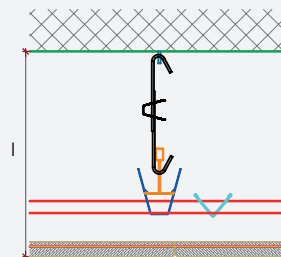
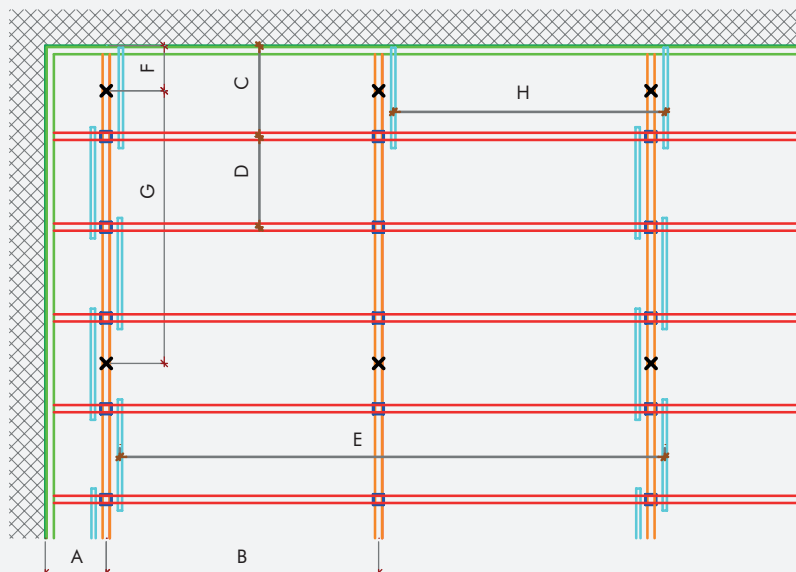


- Remove the plastic wrapping.



- Remove the cardboard liner around the ceiling tiles.

CEILING LAYOUT



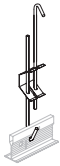
A = Max. 200 mm
B = Max. 1200 mm
C = Max. 400 mm
D = Max. 400 mm
E = Max. 2400 mm
F = Max. 200 mm
G = Max. 1200 mm
H = Max. 1200 mm
I = Min. 100 mm

Legend:

- Shadow line trim
- Primary main runner
- Secondary main runner
- Spacer bar
- X Adjustable hanger
- DG Clips

RECOMMENDED ACCESSORIES

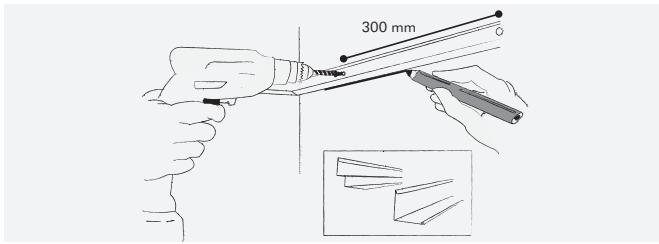
Below accessories are tested and approved for use in connection with Visona.

	PRODUCT NAME	SAP NO.	W x L x H (mm)
	 Main runner T24	467385	24 x 3700 x 38
	 DG-clip	199022	
	 Spacer bar	199032	L: 400
T-grid	 Adjustable hanger The size specification indicates the min. and max. range	469861	165 - 280
		469868	315 - 580
		469872	510 - 970
		469876	630 - 1210
		469878	755 - 1460
	 Direct hanger	469880	900 - 1750
		469881	1020 - 1990
	 Shadow line trim type MS15	431912 316304 316302	50 80 100
	 Outside corner for shadow line trim	316335	15+15x3000/8+25
	 Inside corner for wall angle	316310	
	 Plug for Visona w/24 mm T-profiles in wall angle 316335	316312	
Extra	 Hold down clip	430864	8x10.5x24
		430744	-
	 Repair kit White paint for prepainted tiles	198956	100 mm NCS 0700

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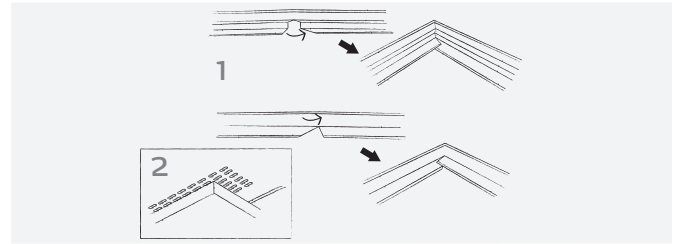
INSTALLATION

Before installation, please ensure that fixtures to primary construction can withstand the load of the ceiling.
Best Practice: Use of clean cotton gloves when handling product tiles will ensure a good result and a ceiling without fingermarks.



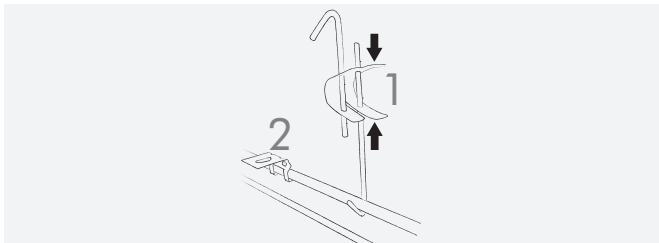
WALL ANGLES

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



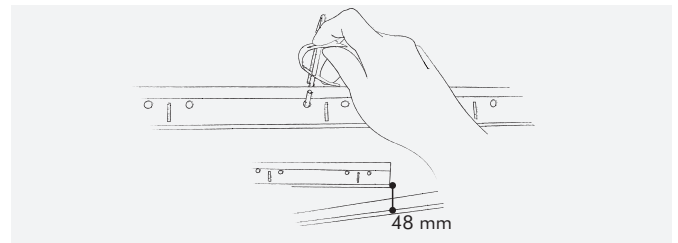
CORNERS

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



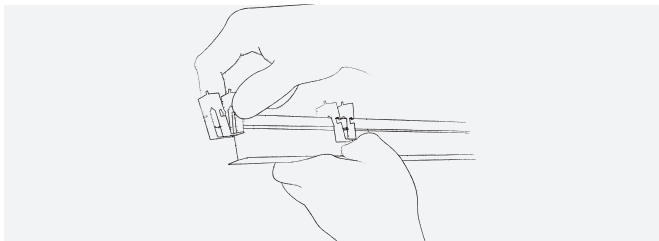
HANGERS

- 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.
- Install the first hanger at max. 200 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 ceiling layout drawing



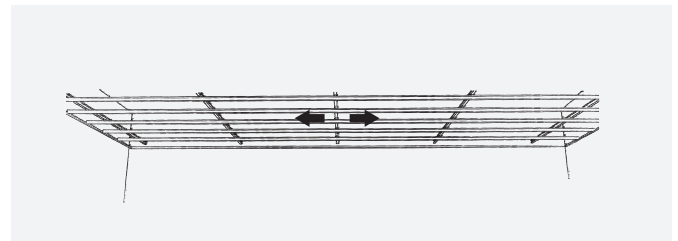
PRIMARY RUNNERS

- Install the primary main runners with the help of hangers. Note that the location of light fittings and ventilation units will have an influence on ceiling layout.
- The lower edge of the primary runner must be 48 mm higher than the height of the finished ceiling.
- Adjust the height of the primary runners before installing the secondary runners.



DG CLIPS

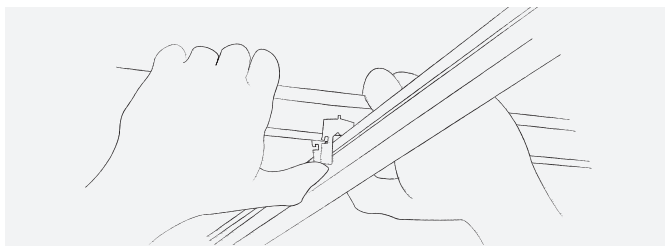
- Slide the number of clips necessary over the secondary runner.



LAYOUT

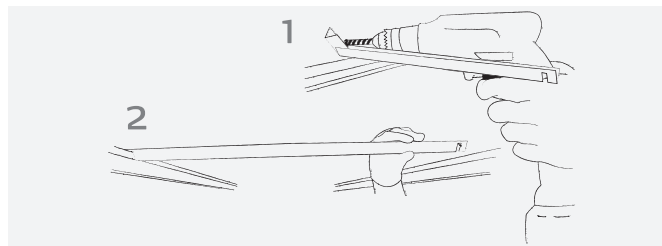
- Install the secondary runners parallel to each other.

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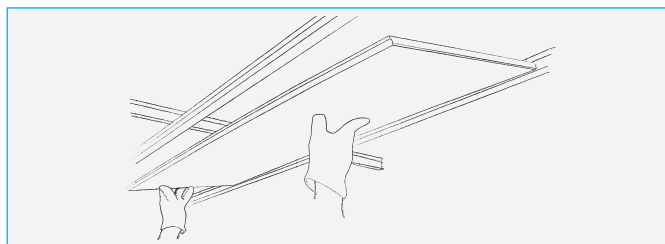
SECONDARY RUNNERS

- Press the DG clip up around the flanges on the primary runner.
- The secondary runner can then be adjusted in both directions.



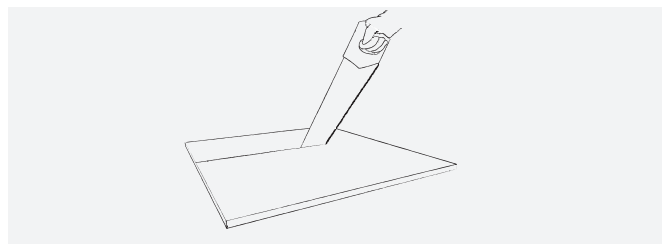
SPACER BARS

- Align the first secondary main runner along one wall and secure it with the help of adapted spacer bars, which must be screwed to the wall (1).
- Install the remaining spacer bars (2).
- Lock the secondary runner in position by gently pulling them down.



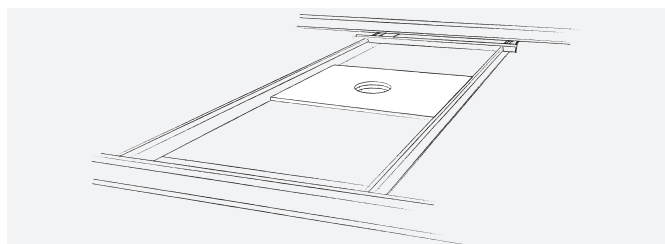
INSTALLATION

- Always wear clean cotton gloves when handling ceiling tiles.
- Install the tiles by lifting one side of the tile across the flange of the secondary runner, lifting the opposite side and pulling it back so that the tile is resting on its top lip.



CUTTING

- Cut the tiles to size from the front face with a fine-toothed saw.
- It is important to cut the tiles in the first and last rows precisely so that they are securely positioned in the system.



FIXTURES AND FITTINGS

- With smaller units (of up to 3kg) a reinforcement tile of sufficient strength can be installed behind the Visona tile.
- The reinforcement tile 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.