

INSTALLATION GUIDE BELGRAVIA PLUS

KNAUFDANOLINE



BELGRAVIA PLUS (E+)

- Demountable acoustical ceiling
- Installation in recessed T-grid
- Edge E+

CONDITIONS OF USE

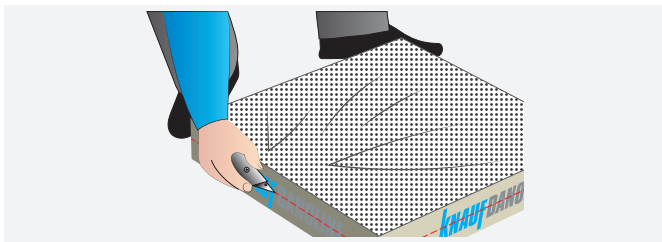
- For internal fitout of buildings
- To be installed in a closed-off building

STORAGE

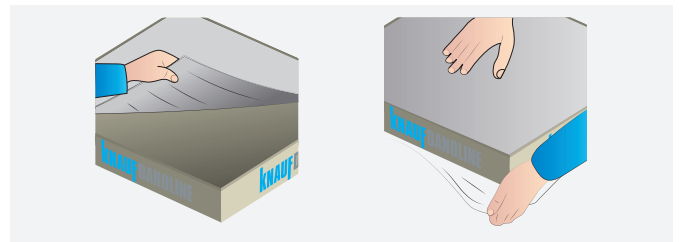
The products must be:

- 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

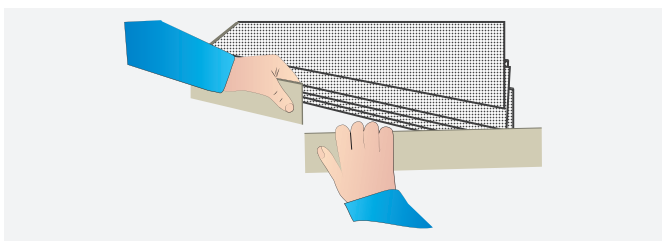
PACKAGING OPENING



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



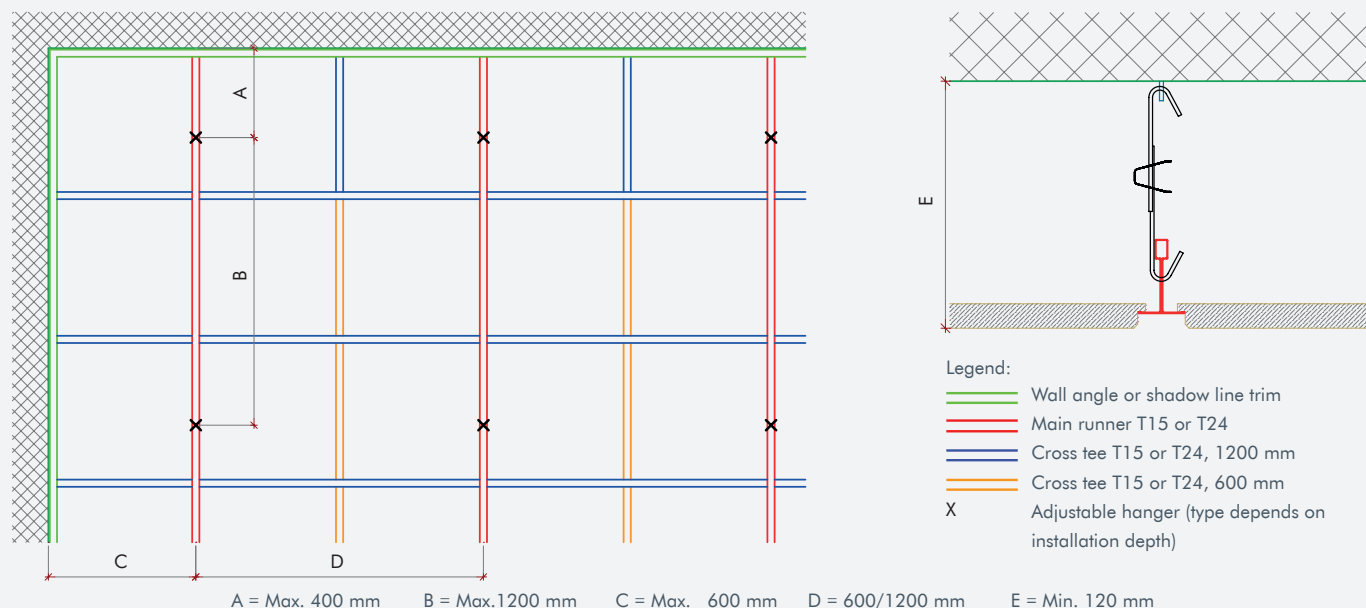
- Remove the plastic wrapping.



- Remove the cardboard liner around the ceiling tiles.

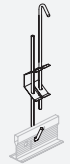
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CEILING LAYOUT



RECOMMENDED ACCESSORIES

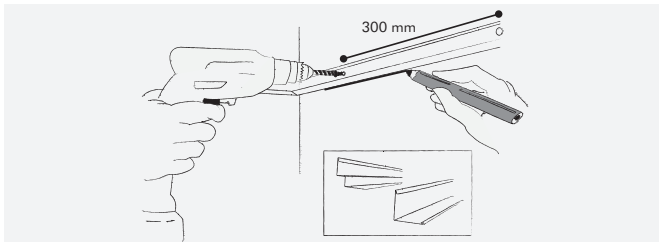
Below accessories are tested and approved for use in connection with Belgravia Plus.

	PRODUCT NAME	SAP NO.	W x L x H (mm)
T-grid	 Main runner T24, or Main runner T15	467385 593513	24 x 3700 x 38 15 x 3700 x 38
	 Cross tee T24, or Cross tee T15	467388 467389 593507 593510	24 x 600 x 38 24 x 1200 x 38 15 x 600 x 38 15 x 1200 x 38
	 Adjustable hanger The size specification indicates the min. and max. range	469861 469868 469872 469876 469878 469880 469881	165 - 280 315 - 580 510 - 970 630 - 1210 755 - 1460 900 - 1750 1020 - 1990
	 Wall angle type MIE2024	434023	20 x 3000 x 24
	 Shadow line trim type MS15	316335	15+15x3000/8+25
	 Outside corner for wall angle Outside corner for shadow line trim	109100 316310	
	 Inside corner for wall angle Inside corner for wall angle	109102 316312	
	 DANOpur - Extra sound absorption and reduction as backing. Mineral wool backing sealed in plastic bags. No risk of dust particles.		600 x 600 x 25 mm 600 x 600 x 50 mm
	 Plug for Belgravia w/24 mm T-profiles in wall angle 434023	430801	
	 Hold down clip	430744	-
Extra	 Repair kit White paint for preprinted tiles	198956	100 mm NCS 0700

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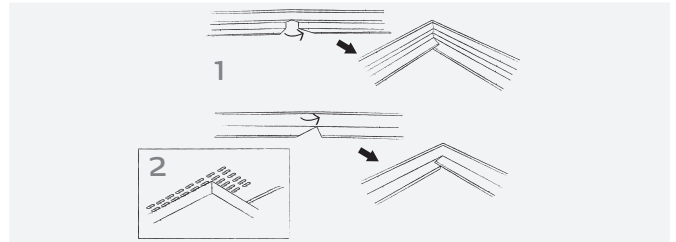
INSTALLATION

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.



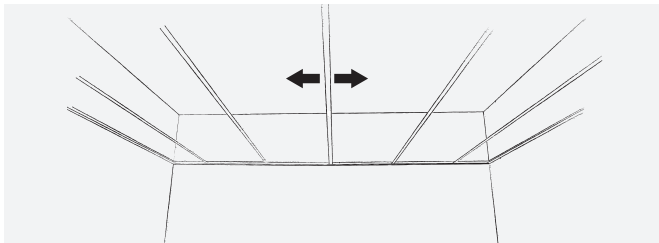
WALL ANGLES

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



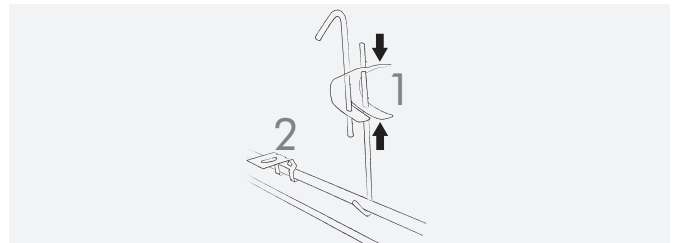
CORNERS

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



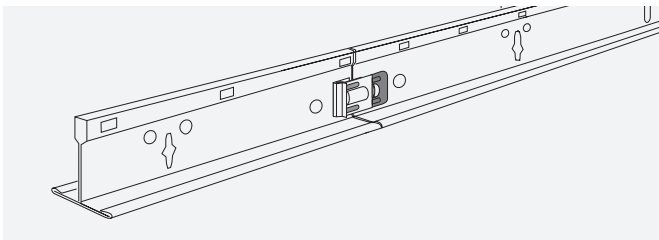
CEILING LAYOUT

- 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.



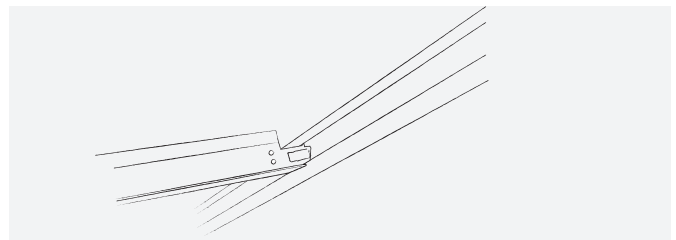
HANGERS

- 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.
- 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 the ceiling layout drawing.



MAIN RUNNERS

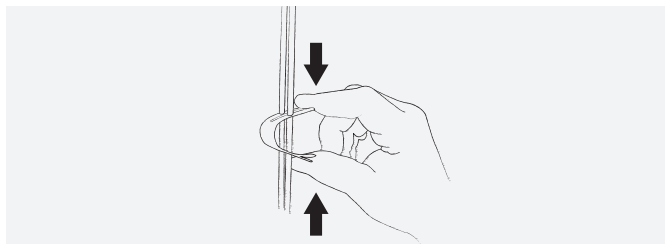
- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a cross-cut saw with a special blade.
- Make sure there is a hanger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



CROSS PROFILES

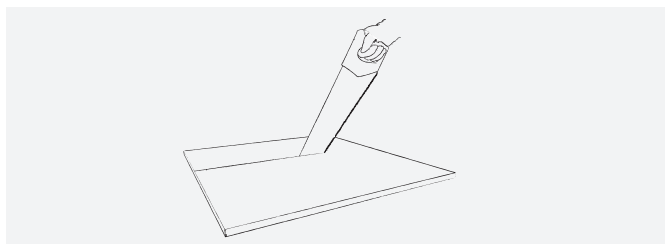
- Push the snap-in tongue into the slot on the main runner until it securely clicks into place.
- If there is a cross profile on the opposite side of the main runner, the new one must be on the left hand side of the one already in place.

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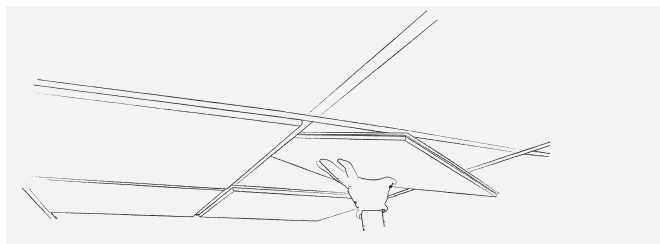
ADJUSTMENT

- 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.



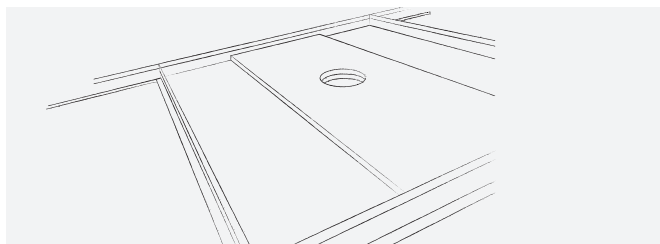
CUTTING

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



INSTALLATION

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



FIXTURES AND FITTINGS

- 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, must be installed independently, so that they do not place any load on the ceiling.