

A photograph of a modern office interior. The ceiling is a white grid system with recessed circular lights. The walls are made of glass and black frames. In the background, there is a large blue wall with the word "CAFFE" in white letters. The floor is a light-colored, speckled material.

Installation Guide

# *Plaza*

***KNAUF***

*Build on us.*



# Contents

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# Plaza

- Lay-in tile for demountable acoustical ceiling
- Installation in exposed T-grid
- Edge A

## 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
- Stored at humidities of less than 70% RH and temperatures of less than 50°C
- Positioned on a level base
- Protected from direct moisture
- Protected from impact and shock
- Stacked max. 2 pallets on top of each other



# Package 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.

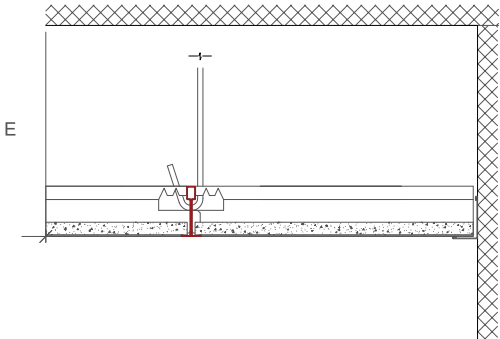
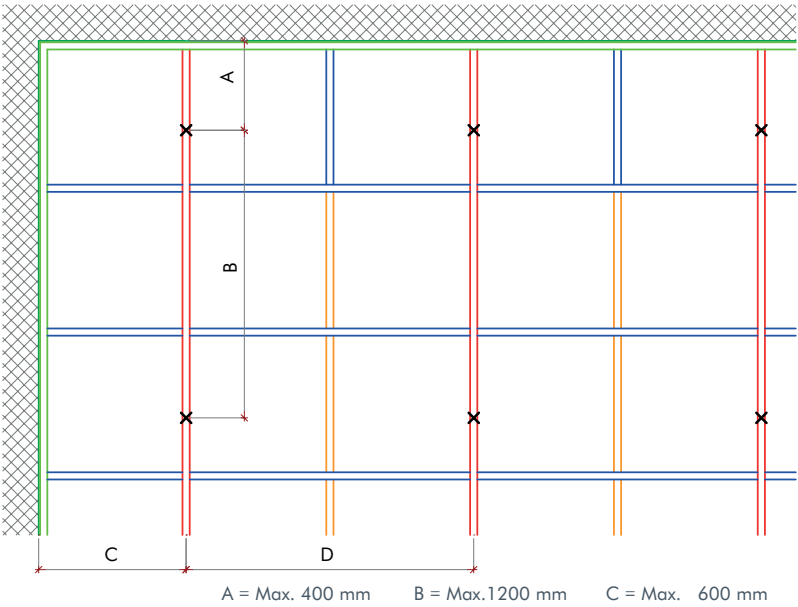


Remove the plastic wrapping.



Remove the cardboard liner around the ceiling tiles.

# Layout guide

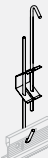

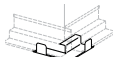


- Legend:
- Wall angle or shadow line trim
  - Main runner T15 or T24
  - Cross tee T15 or T24, 1200 mm
  - Cross tee T15 or T24, 600 mm
  - X Adjustable hanger (type depends on installation depth)

A = Max. 400 mm    B = Max. 1200 mm    C = Max. 600 mm    D = 600/1200 mm    E = Min. 120 mm

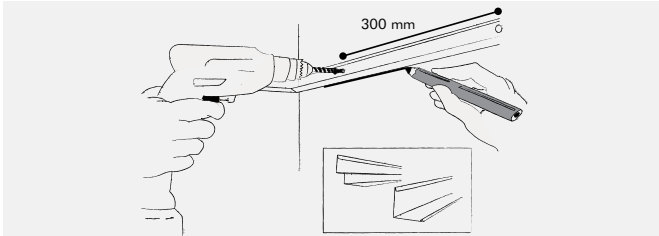
## Recommended accessories

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

	PRODUCT NAME	SAP NO.	W x L x H (mm)
T-grid	 Main runner T24 or Main runner T15	447854 825166	24 x 3700 x 38 15 x 3700 x 38
	 Cross tee T24 or Cross tee T15	788109 788110 826509 827006	24 x 600 x 38 24 x 1200 x 38 15 x 600 x 32 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	316330	15+15 x 3000 / 8+25
	 Outside corner for wall angle  Outside corner for shadow line trim	109102 316312	
	 Inside corner for wall angle  Inside corner for wall angle	109102 316312	
	 Airfelt - Acoustic batts made of Thermo bonded polyester fiber polyethylene terephthalate, for the intended use as a backside acoustic element for increase- ment of absorption values.	850852	590 x 590 x 30 cm
	 Repair kit White paint for pre-painted tiles	198956	100ml NCS 0701 Y24 R (Ral 9003)
Extra			

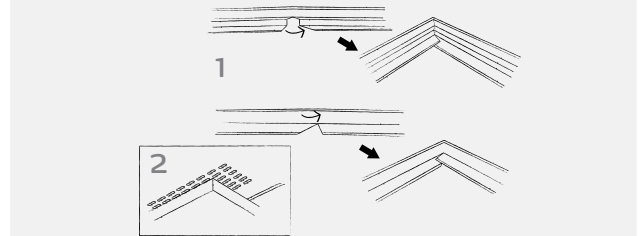
# Installation

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.



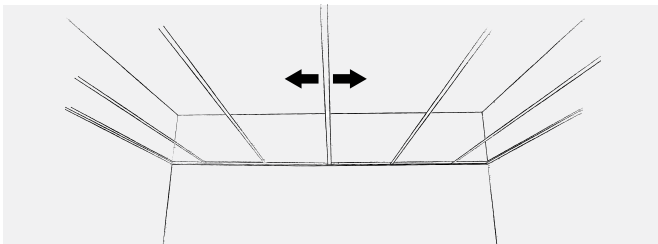
## Wall angles

- 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.



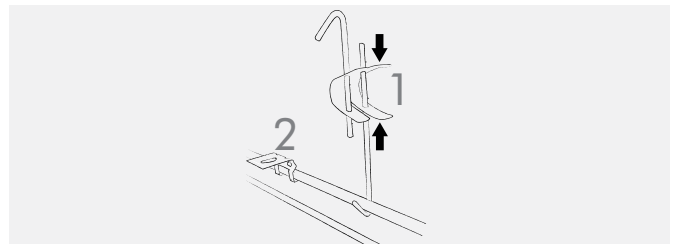
## Corners

- 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.



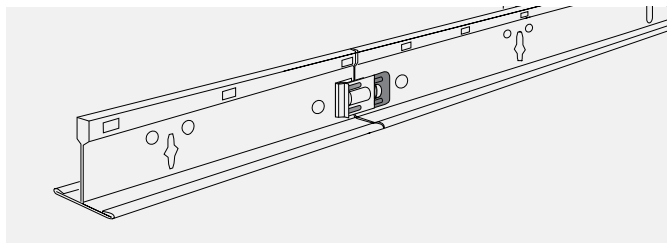
## Ceiling layout

- 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.



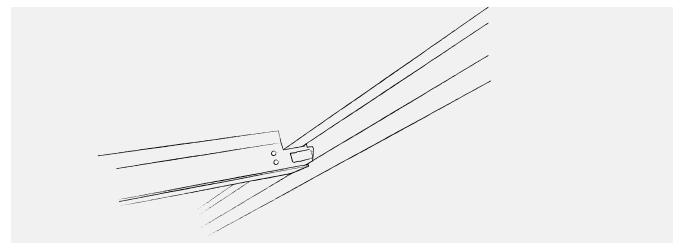
## Hangers

- 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

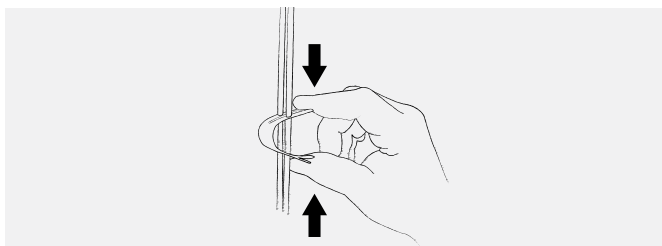
- Install the main runners parallel to each other so that the slots are directly opposite each other.
- Join the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a cross-cut saw with a special blade.
- Make sure there is a hanger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



## Cross profiles

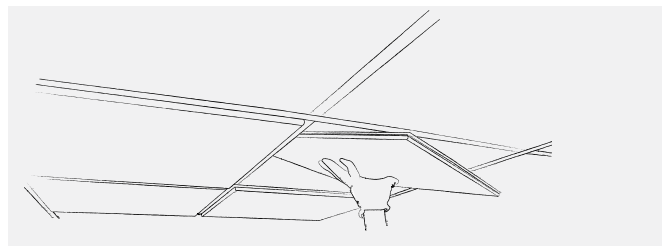
- Push the snap-in tongue into the slot on the main runner until it securely clicks into place.
- If there is a cross profile on the opposite side of the main runner, the new one must be on the left hand side of the one already in place.





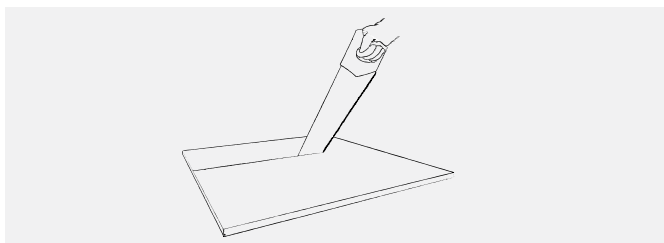
### Adjustment

- 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.



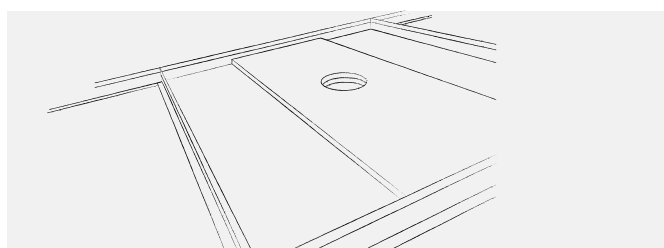
### Installation

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



### Cutting

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



### 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 m<sup>2</sup> of ceiling. Where loads are greater than 3kg/m<sup>2</sup>, additional hangers must be used.
- Units over 3kg, must be installed independently, so that they do not place any load on the ceiling.

## Knauf

Kløvermarksvej 6,

9500 Hobro  
Danmark

Phone +45 9657 3000

kundeservice-dk@knauf.com

www.knauf.dk

**Build on us.**