INSTALLATION GUIDE
Rold12

KNAUFDANOLINE

ROLD12 (D+)
- Demountable acoustical ceiling with gypsum strips on the surface
- Installation in concealed T-grid
- Edge D+

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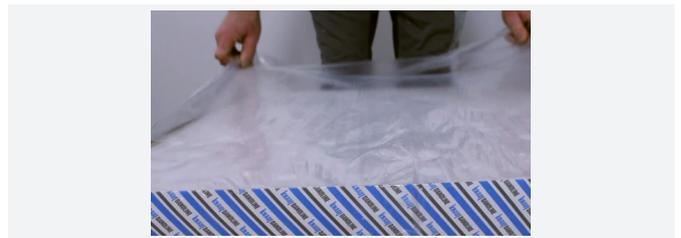- To be installed in a closed-off building

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 plactic on top of the package.
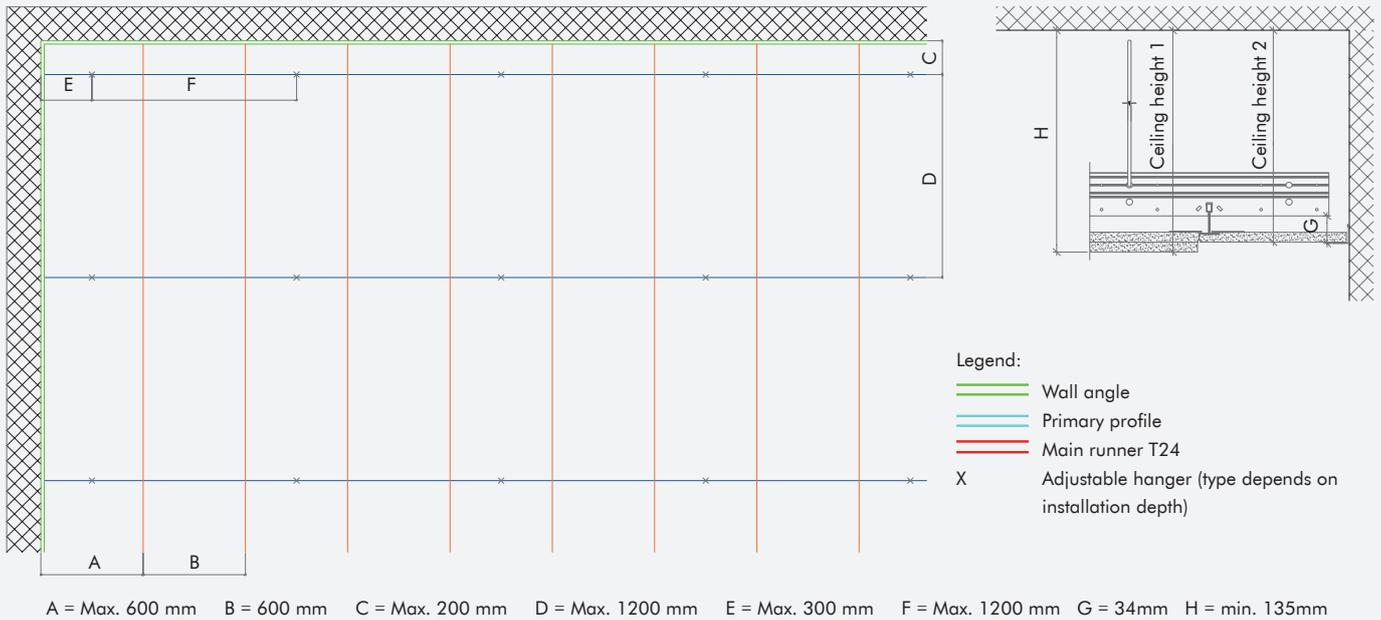

- Remove the plastic wrapping.

- Remove the cardboard liner around the ceiling tiles.

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LAYOUT GUIDE

Legend:
- ▬ Wall angle
- ▬ Primary profile
- ▬ Main runner T24
- X Adjustable hanger (type depends on installation depth)

A = Max. 600 mm   B = 600 mm   C = Max. 200 mm   D = Max. 1200 mm   E = Max. 300 mm   F = Max. 1200 mm   G = 34mm   H = min. 135mm

RECOMMENDED ACCESSORIES

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

	PRODUCT NAME	SAP NO.	W x L x H (mm)
	Main runner T24	467385	24 x 3700 x 38
	Primary profile 200	715589	10x2500x65
	R/R screw	181808	-
T-grid	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 MS10	316330	19+11 x 3000 / 13+19
Extra	Outside corner for wall angle	109100	
	Inside corner for wall angle	109102	
	DANOpor - 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
	Hold down clip	113734	-

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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.
- 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.

CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling layout.
- The location of light fittings and ventilation units will have an influence on ceiling layout.

HANGERS

- Fix adjustable hangers with eye screws or similar securely fastened to the primary construction.
- Install the first hanger at max.300 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 grid, install additional hangers.
- Refer to distances in the ceiling layout guide above.

PRIMARY PROFILE

- Installed primary profiles in the same direction as the wished direction of the strips.
- Install the first primary profile max. 200 mm from the wall and remaining primary profiles at max 1200mm c/c. Adjust the profiles vertically according to G in the Layout guide.
- Align the slots for the T24 main runner and ensure the direction of the T24 main runner is perpendicular to the wall by using adjustable fixing.
- Join the primary profiles longitudinally using 2 x R/R 13 screws ensuring a 100mm overlap.
- Adjust the lengths of the primary profiles by using an angle grinder.

MAIN RUNNERS

- Install the main runners into the primary profile parallel at cc 600mm in accordance to the ceiling layout.
- Use pliers to open the tab in the primary profile, place the main runner and close it again to lock.
- Joining the main runners longitudinally by clicking them together.
- Adjust the lengths of the profiles with plate shears, a hacksaw or a crosscut saw with a special blade.

ADJUSTMENT

- Check that all profiles are correctly aligned when the entire suspension grid has been installed.
- Adjust the hangers so that they are tant and the ceiling surface is level.
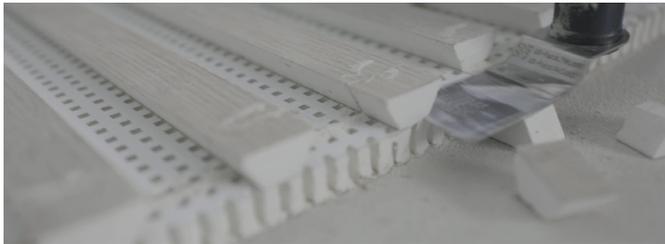
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- Always wear clean cotton gloves when handling ceiling tiles.
- Install the tiles between the primary profiles by lifting the "male" side up across the one main runner, then push the "female" side into position on the opposing main runner and lower the "male" side on the first main runner.
- Check that all metal clips are resting on the main runner.

CUTTING

- Cut the tiles to size from the front with a fine-toothed saw.
- If metal clips are installed in the place where the tile is to be cut, they must be removed first.
- Grip the metal with a pair of pliers and twist it off gently.

FINISH AGAINST THE WALL

- Frieze finishing against the wall can be made with cut Rold12 tile, a cut Contur+ Unity3 tile or by making a fixed frieze. Find inspiration on knaufdanoline.com.

FIXTURES

- With smaller units (of up to 3kg) a reinforcement tile of sufficient strength can be installed behind the Rold12 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 must be installed independently, so that they do not place any load on the ceiling.
- Rold12 tile and strips are made from gypsum and can carefully be cut using a fine-cutter or a hole saw.
- Rold12 tiles can also be supplied with customised cutouts from the factory. Contact your local representative for more information.