



clean-tek®

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ceil-tek ceiling system

Ceiling for use in the **pharmaceutical sector**, in design suitable for **walking on**, with underpressure and overpressure values of max. -100 Pa to +200 Pa. The ceiling is made of multi-edged sheet steel carrier elements, suspended with infinite adjustment from the building structure by threaded rods spaced at intervals of 2400 mm. The use of standardised parts makes it the most economical of ceilings that are capable of being walked on.

Flexible adjustments

The **ceil-tek** ceiling system is suitable for any design or size of clean room installations. The grid dimensions have been standardised and as a result it offers a fast and safe planning. This also offers a flexible design and clean room size.

The ceiling is flexible, too. Each individual element can be removed independently of the adjacent areas, the cassettes are mutually interchangeable, and dismantling and reassembly can be carried out at any time.

Easy to install

The sheet steel carrier elements form a visible strip grid. Suspended between the strip grids are multi-edged sheet metal cassettes, using a special connecting technique which secures the strip grids and the cassettes free of the need for any tolerance. The sheet which can be walked on is laid with the rear face flush with the strip grid, and is fully independent of the sheet cassettes visible from the clean room itself.

Wiring in the ceiling

Strip grids and cassettes are prepared with appropriate punched cut-outs so that cabling can be laid inside the cassette, covered and transverse to the strip and parallel in the strip. This means that **cable** or hose **can be professionally laid inside** the ceiling without any uneven points.

Vareity of functional elements

clean-tek offers installation sets for strip grid ceilings to allow for ceiling air permeation, return air permeation, and lighting. A feature common to all the sets is the fact that the installation parts can be installed flush with the carrier and ceiling cassette. Clean-tek also provide economical installation lights which match the system and can be maintained from above. The lights have covers made from sanded safety glass, fitted for 4x55 Watt, and naturally come complete with electronic chokes. Special electrical formats can be provided on request.



ceil-tek ceiling system over a large area

Future- proofed investment

The **ceil-tek** ceiling can be easily and rapidly installed, and is ideally suited for large surface areas, meeting the expectations of the FDA, GMP, and WHO. Thanks to the 10-year after-sales guarantee, it can be converted or supplemented at any time, which makes it a reliable investment for the future.



ceil-tek ceiling systems can be walked-on



Technical data

Grid sizes

1200x300, 1200x600 or 1200x900 mm sheet steel; Colors RAL 9002 and RAL 9010; optional brushed stainless steel surface

Non walk-on version

Ceiling plates, 1 mm thick galvanized sheet steel, exposed face coil coated in RAL 9010, rear face coated with protective lacquer.
Wight of ceiling: 12 kg/m²

Walk-on version

Double-skinned composite ceiling element consisting of 2x1 mm thick galvanized steel sheets, exposed face coil coated in RAL 9010, bonded to polypopylene honeycomb.

Wall conection profiles

Wall connection profiles of aluminium, powder coated in RAL 9002; Hangers galvanized M6 studding.

Light modules

Dimensions	92x295x1080 mm
Grid dimensions	300x1200 mm
Diffuser	ESG glass diffusor, sand-blasted
Connection	Wieland plug-in system with 5m connecting cable
Protection type	IP 54
Electric power	4 x 39 W
Ballast	Electronic dimming ballast Osram or BAG
Walkable	100 kg point load

Options

Emergency lighting 1 x 39 W,
burning time 1 h or 3 h

LED-lighting system

Pressure-tight: -100 Pa bis +200 Pa



clean-tek ceiling system



clean-tek with strip grid leight modules



clean-tek system with split-level ceiling