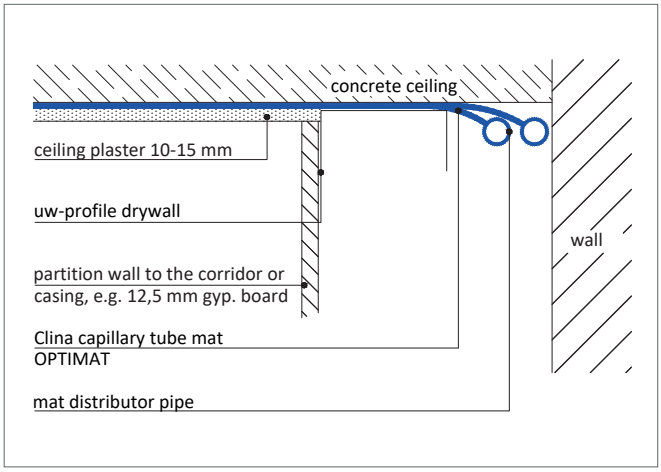
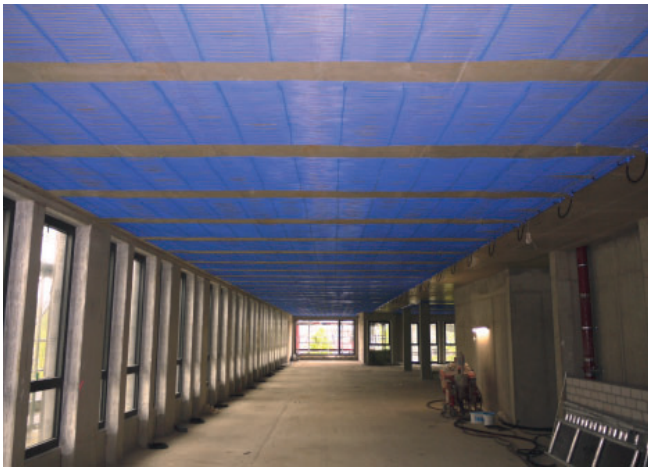
PLASTER ON CONCRETE - CEILING

with capillary tube mat OPTIMAT SB 20.00

System data sheet





CLINA - BETTER HEATING AND COOLING

PLASTER ON CONCRETE - CEILING

with capillary tube mat OPTIMAT SB 20.00

System data sheet

DESCRIPTION

- the capillary tube mats are directly plastered underneath a concrete ceiling and can be individually adjusted in width at the construction site
- the capillary tube mats are connected to each other by heating element socket welding
- they are arranged axially or over the entire surface and, depending on the nature of the substrate, are fastened to the ceiling either with Clina-OptiFix or double-sided adhesive tape (for load-bearing substrates), Knauf plaster pins or plaster support grids; alternatively, the capillary tube mats can be pressed into the damp plaster
- the leak test according to the factory guidelines takes place before plastering, the test pressure is maintained during plastering
- the temperature can be regulated room-by-room

ADVANTAGES

LOW INSTALLATION HEIGHT

Complete embedding is achieved with a plaster layer thickness of **10-15 mm**, whereby mat distributor pipes and supply lines are accommodated in a slot, in a casing at the front of the room or in the suspended ceiling of the corridor. The void of the suspended ceiling can be used for further installations.

EASY RETROFITTING

With this system, every concrete ceiling can be retrofitted quickly and inexpensively as a heating and cooling ceiling.

BEATS COMPONENT ACTIVATION

significantly higher dynamics, performance and surface quality

HIGH PERFORMANCE

The installation of the capillary tube mat below the concrete ceiling enables a maximum degree of activation and thus a very high performance.

TECHNICAL DATA

HEATING CAPACITY
according to DIN EN 14037/5

105,3 W/m² (MP 75)
ΔT = 15 K, active mat surface

COOLING CAPACITY
according to DIN EN 14240

90,3 W/m² (MP 75)
ΔT = 10 K, active mat surface

ACOUSTICS

weighted sound absorption coefficient according to plaster manufacturer's specifications

INSTALLATION HEIGHT: **10-15 mm**
(without mat distributor pipes and supply lines)

SYSTEM WEIGHT (filled with water): **750 g/m²** plus plaster

Component	Material	Dimensions	Other
CAPILLARY TUBE MAT	polypropylene (PP-R), recyclable	mat distributor pipe: 20 x 2,0 mm capillary tube mat: 4,3 x 0,8 mm distance of the capillary tubes: 20 mm length: 600-6000 mm width: 150-1000 mm	description: OPTIMAT SB 20.00 weight (incl. water): 750 g/m² open mat distributor pipes pressure stage: 10 PN
PLASTER	gypsum, lime, cement or clay	10-15 mm layer thickness	commercially available plasters can be used
SUPPLY AND RETURN LINES	polypropylene (PP-R), recyclable	depending on the room size	connection alternating according to Tichelmann principle

CONTACT

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