

PLASTER ON GYPSUM BOARD | BRICKWORK | CONCRETE - WALL

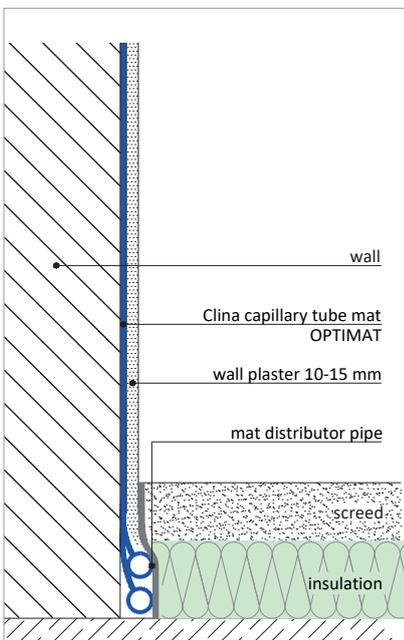
with capillary tube mat OPTIMAT SB 20.00



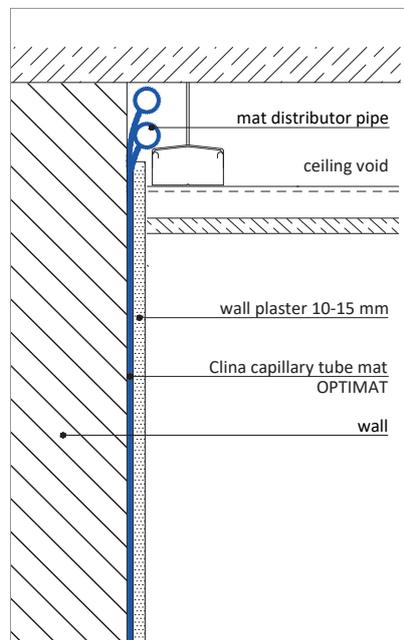
System data sheet



ANGERKIRCHE POTSDAM © MELANIE BASTIAN



View of a wall section:
mat distributor pipes in the screed



View of a wall section:
mat distributor pipes in the ceiling void



CLINA - BETTER HEATING AND COOLING

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System data sheet

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DESCRIPTION	ADVANTAGES
<ul style="list-style-type: none"> the capillary tube mats are fixed directly to a wall (gypsum board, brickwork, concrete) with a load-bearing substrate and plastered in; the capillary tube mats can be individually adjusted in width at the construction site the capillary tube mats are connected to each other by heating element socket welding easy fixation to the wall depending on the situation, mat distributor pipes and supply lines are located in the floor, in the void of the suspended ceiling or in an appropriate skirting board or casing 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 	<p>VERY LOW INSTALLATION HEIGHT A complete embedding of the capillary tubes is achieved with a plaster layer thickness of 10-15 mm.</p> <p>VERY FLEXIBLE This design can be adapted to all spatial conditions, e.g. also to spaces with vaults and archs. Thus it is excellent for renovations.</p> <p>HEATING AND COOLING - ALL IN ONE SYSTEM The wall heating/wall cooling convinces with significantly high dynamics, performance and surface quality.</p> <p>HIGH PERFORMANCE The installation of the capillary tube mat on the gypsum board wall, the brickwork or concrete wall allows a maximum degree of activation and, consequently, a high performance.</p>

TECHNICAL DATA



HEATING CAPACITY

108,5 W/m² (MP 75)
123,0 W/m² (lime plaster)
 ΔT = 15 K, active mat surface



COOLING CAPACITY

70,0 W/m² (MP 75)
79,0 W/m² (lime plaster)
 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/m ² open mat distributor pipes pressure stage: 10 PN
WALL	gypsum board, brickwork, concrete		load bearing substrate suitable for plaster
PLASTER	gypsum, lime, screed or clay	10-15 mm layer thickness	commercially available plasters can be used
SUPPLY AND RETURN LINE	polypropylene (PP-R), recyclable	depending on room size	connection alternating according to Tichelmann principle

CONTACT

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