



FIXING MATERIAL



HEATING &
COOLING MATS

PREFABRICATED
PRODUCTS

TUBES, SUPPLY &
RETURN LINES

CONNECTION
COMPONENTS

FITTINGS

MEASUREMENT &
CONTROL TECHNOLOGY

SYSTEM SEPERATION
PLASTIC MANIFOLD

FIXING
MATERIAL

TOOLS &
ASSEMBLY KIT

10 Fixing Material

10.1 ADHESIVE

The Clina Adhesive is used for the attachment of Clina Capillary Tube Mats in metal ceiling elements. The processing can be made with a customary short pile paint roller.

TECHNICAL DATA

DESCRIPTION	adhesive
ITEM NO.	VKD 10
CONTENT	10 kg
PROCESSING TEMPERATURE	15-25 °C
TRANSPORT/STORAGE TEMPERATURE	not below 5 °C, sensitive to frost, pay attention to date of minimum durability (unopened)
APPLICATION	on the capillary tube mat, apply only on one side
DELUTION	not necessary, possible with water
CLEANING (TOOLS)	with water
COVERAGE	approx. 30-50 g/m ² capillary tube mat



Processing instruction: The Clina Adhesive VKD 10 has to be applied undiluted.

10.2 OMEGA RIBBON/DISTANCE PIECE

Clina distance pieces, also called Omega ribbons, are components of each Clina capillary tube mat. They have the function to hold the capillary tubes in a defined distance.

TECHNICAL DATA

DESCRIPTION	Omega ribbon, distance piece for capillary tubes
ITEM NO.	VAB 10 and VABB 10
AVAILABLE FOR CAPILLARY TUBES	3,4 x 0,55 mm and 4,3 x 0,8 mm
LENGTH	1000 mm
CENTRE-TO-CENTRE DISTANCE FOR CAPILLARY TUBES	10 mm
MATERIAL/COLOUR	plastic/blue

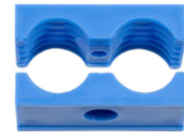


10.3 DOUBLE CLAMP

A special double pipe clamp for the Clina capillary tube mat type S and SB (mat distributor pipe 20 x 2,0 mm). The double clamp has the function to fix the mat distributor pipes in place. Afterwards, the mat can be tightened and installed further. Of course, this clamp also can be used to fix DN 15 pipes.

TECHNICAL DATA

DESCRIPTION	double clamp, for fixing the mat distributor pipes to the subsurface, especially suitable for Clina capillary tube mats type S and SB and for pipes \varnothing outside = 20 mm
ITEM NO.	FDS 20
\varnothing INSIDE	20 mm
MATERIAL/COLOUR	plastic/blue



10.4 PIPE BEND HOLDER

Plastic pipe bend holder for fixation of PP-pipe 20 x 2,0 mm in 90° angle. Very long pipe guide, whereby a clean and a flow favourable 90° angle is reached. The permissible bending radius 5 x D is kept and is not exceeded when inserting the pipe (no buckling risk for the pipe).

TECHNICAL DATA

DESCRIPTION	pipe bend holder, for fixation of PP-pipe 20 x 2,0 mm in 90° angle
ITEM NO.	VRBH 20
LEG LENGTH	150 mm
MATERIAL/COLOUR	plastic/black



10.5 PLASTIC NAIL

Plastic nail suitable for the fixation of the capillary tube mats to the wall, the ceiling or the floor.

TECHNICAL DATA

DESCRIPTION	plastic nail
ITEM NO.	VKN 30
PACKAGING UNIT	100 pieces
DISK DIAMETER	35 mm
SHAFT LENGTH	30 mm
BORE DIAMETER	5 mm
MATERIAL/COLOUR	plastic/red



10.6 CLINA OPTIFIX

Plastic disc suitable for the fixation of the capillary tube mats to the wall, the ceiling or the floor (e.g., by means of a powder-actuated tool). Clina OptiFix can be fixed mechanically with a steel nail on all common concrete qualities.

TECHNICAL DATA

DESCRIPTION	Clina OptiFix
ITEM NO.	VOF
PACKAGING UNIT	100 pieces
DISC DIAMETER	40 mm
HEIGHT	7 mm
BORE DIAMETER	4 mm
MATERIAL/COLOUR	plastic/blue



10.7 PLASTIC PIPE HOOK

Plastic pipe hook to fix the pipe of the capillary tube mat or other pipes to the wall, the ceiling or the floor.

TECHNICAL DATA

DESCRIPTION	plastic pipe hook	
ITEM NO.	VDH 60	VDH 80
PACKAGING UNIT	50 pieces	50 pieces
MAX. PIPE DIAMETER	32 mm	32 mm
SHAFT LENGTH	60 mm	80 mm
BORE DIAMETER	80 mm	80 mm
MATERIAL/COLOUR	plastic/black	plastic/black



10.8 PLASTIC CLIPRAIL

Plastic cliprail to fix a pipe.

TECHNICAL DATA

DESCRIPTION	plastic cliprail for fixing pipes with 20 mm outside Ø
ITEM NO.	VRK
LENGTH	2 m
WIDTH	40 mm
HEIGHT	25 mm
CENTRE-TO-CENTRE DISTANCE BETWEEN PIPES	25 mm
MATERIAL/COLOUR	plastic/grey



10.9 RETAINING CLIP

Plastic retaining clip to hook the capillary tube mats in between the profiles of the supporting construction of a gypsum board ceiling.

TECHNICAL DATA

DESCRIPTION	retaining clip
ITEM NO.	VHC
PACKAGING UNIT	200 pieces
MATERIAL/COLOUR	plastic/blue



10.10 RETAINER

Sheet metal retainer to hook the capillary tube mats in between the profiles of the supporting construction of a gypsum plate ceiling.

TECHNICAL DATA

DESCRIPTION	retainer		
ITEM NO.	VBH 300	VBH 400	VBH 480
LENGTH	300 (250) mm	400 (350) mm	480 (400) mm
WIDTH	30 mm	30 mm	30 mm
HEIGHT	30 mm	30 mm	30 mm
MATERIAL	sheet metal	sheet metal	sheet metal

