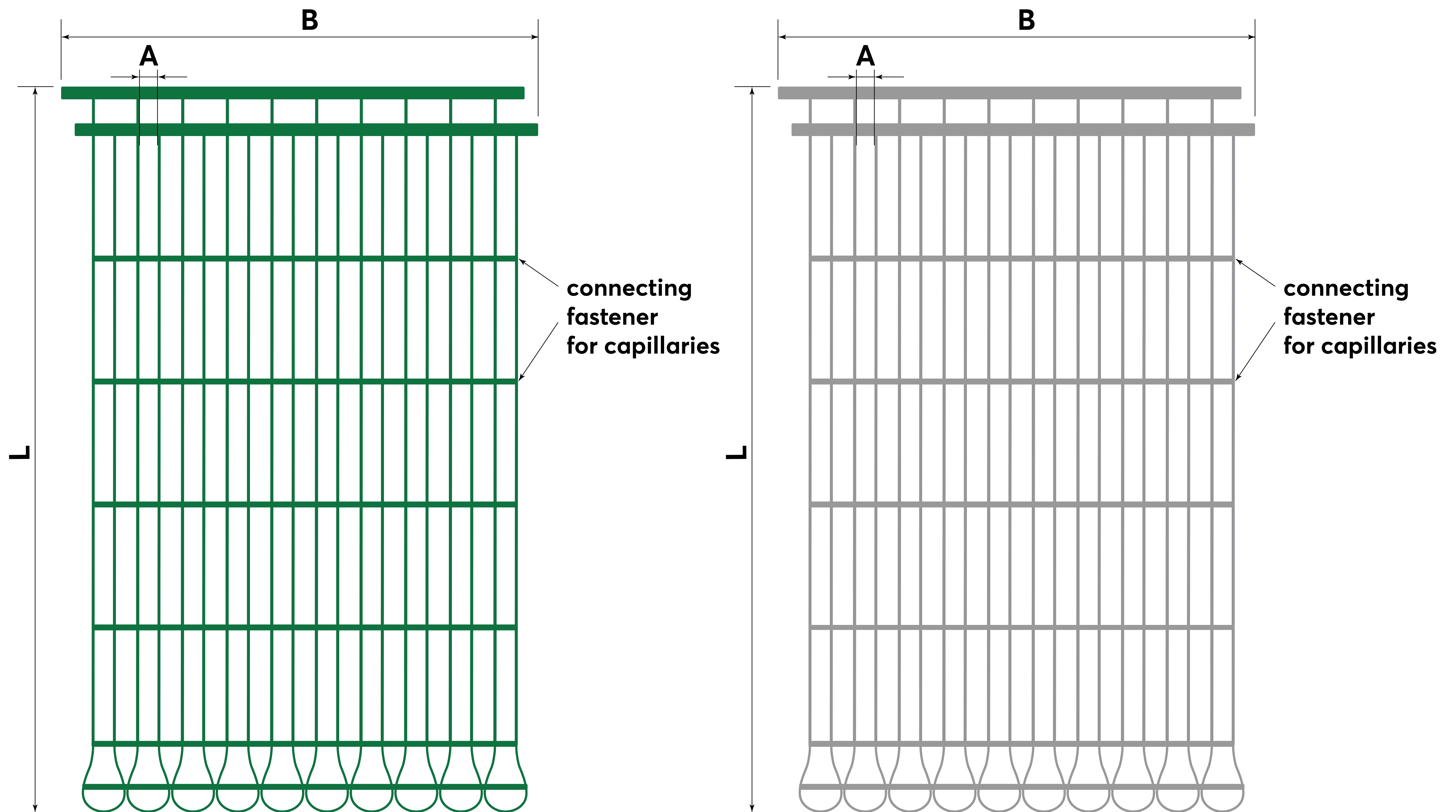


CAPILLARY MAT S 20



Application:

- for ceiling and wall installation: under plasterboard KNAUF GK 12.5 mm ($\lambda = 0.21 \text{ W/mK}$) or KNAUF Thermoboard ($\lambda = 0.30 \text{ W/mK}$) and Thermoboard Plus ($\lambda = 0.45 \text{ W/mK}$) to achieve a higher heating/cooling capacity.

Recommended width – 230 (+20) – 330 (+20) – 430 (+20) mm

Material

ø Main pipe PN10 (**B**)

ø Capillary tube

Distance between capillaries (**A**)

Length of capillary mat (**L**)

Width

Water capacity in the capillaries

Weight of capillary mat with water

Color

Maximum temperature in the system

Optimal input temperature for heating

Optimal input temperature for cooling

Optimal pressure in the system

Factory test pressure

Cooling capacity

(with ΔT_{10K} - the difference between the required room temperature and the mean water temperature in the system; ΔT_{2K} - the difference between input and output water temperature in the system)

PP-R (Polypropylene Random Copolymer)

20 x 2 mm

3.4 x 0.55 mm

20 mm

600-8000 mm

150-1000 mm

0.2 l/m²

390 g/m² (without main pipes)

green, light grey, neutral white

+50°C

+28-32°C

+16-18°C

2-3 bar

20 bar

60 W/m²

(with ΔT_{10K} and KNAUF Thermoboard Plus 10 mm)

