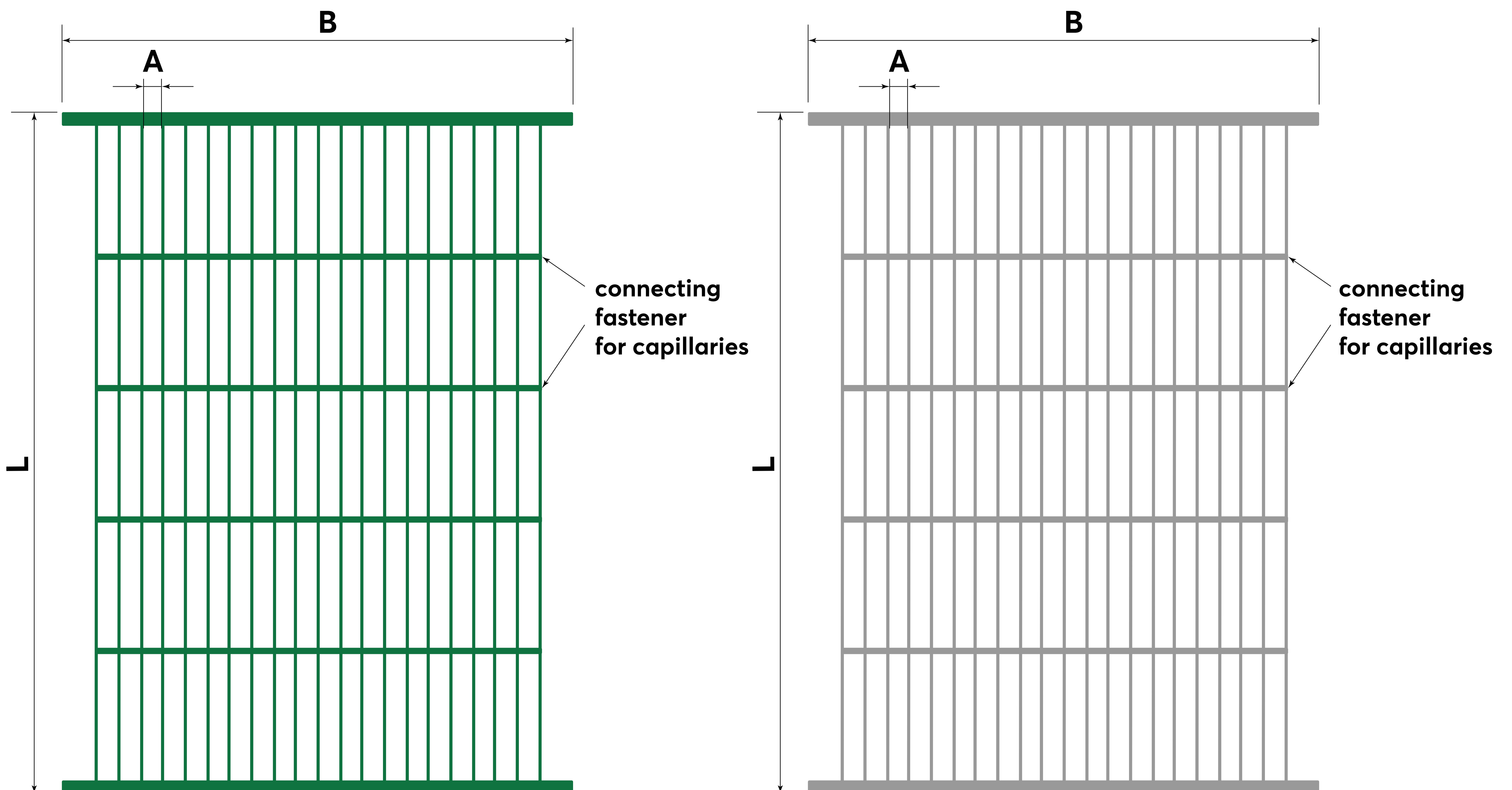


# CAPILLARY MAT GB 20



## Application:

- **for ceiling and wall installation:** under plaster KNAUF MP75 or 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;
- **inside a concrete ceiling/wall;**
- **for floor heating:** under self-leveling compound, screed (Estrich) or concrete;
- **as underground circuit** for geothermal heat pumps.

## 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  $\Delta T_{10K}$  - the difference between the required room temperature and the mean water temperature in the system;  
 $\Delta T_{2K}$  - the difference between input and output water temperature in the system)

PP-R (Polypropylene Random Copolymer)

20 x 2 mm

**4.3 x 0.8 mm**

**20 mm**

600-16000 mm

150-1000 mm

**0.37 l/m<sup>2</sup>**

**750 g/m<sup>2</sup>** (without main pipes)

green, light grey, neutral white

+50°C

+28-32°C

+16-18°C

2-3 bar

20 bar

**84 W/m<sup>2</sup>**

**(with  $\Delta T_{10K}$  and plaster KNAUF MP75)**

