

# Silicate fibre needle mats

## Technical Data Sheet



	Type 700 – 6	Type 750 – 6	Type 1100 – 8	Type 1200 – 10	Type 1800 – 12	Type 2500 – 14	Type 3000 – 20	Type 4000 – 25
mass per unit area <sup>1)</sup> nominal value tolerance	700 g/m <sup>2</sup> +/- 10 %	750 g/m <sup>2</sup> +/- 10 %	1100 g/m <sup>2</sup> +/- 10 %	1200 g/m <sup>2</sup> +/- 10 %	1800 g/m <sup>2</sup> +/- 12 %	2500 g/m <sup>2</sup> +/- 12 %	3000 g/m <sup>2</sup> +/- 12 %	4000 g/m <sup>2</sup> +/- 12 %
Thickness in mm <sup>2)</sup> average single values	6 +/- 1 4-8	6 +/- 1 4-8	8 +/- 1 6-10	10 +/- 2 7-13	12 +/- 2 8-14	14 +/- 2 10-18	20 +/- 2 16-24	25 +/- 2 20-28
Density nominal value	117 kg/m <sup>3</sup>	125 kg/m <sup>3</sup>	138 kg/m <sup>3</sup>	120 kg/m <sup>3</sup>	125 kg/m <sup>3</sup>	180 kg/m <sup>3</sup>	150 kg/m <sup>3</sup>	160 kg/m <sup>3</sup>
type of glass essential components	100% silicate-glass SiO <sub>2</sub> : 95 % +/- 1%; Al <sub>2</sub> O <sub>3</sub> : 3,5% +/- 0,5%							
binders	free of binders							
temperature resistance	1000°C							
reaction to fire	non combustible							
thermal conductivity	200°C-0,053 W/mK; 400°C-0,09 W/mK; 600°C-0,144 W/mK; 800°C-0,220 W/mK; 1000°C-0,341 W/mK							
Standard width <sup>3)</sup> tolerance	100 cm +/- 1 cm							
roll length, m	50	30	30	30	20	20	10	10

1) = Tolerances given refer to test specimen 316 x 316 mm

2) = method of measuring: measurement device with 25 cm<sup>2</sup> tapping surface, measuring weight 10 g/cm<sup>2</sup> / 5 g/cm<sup>2</sup> at 14 and 20 mm

3) = other widths up to 200 cm and other lengths available on request

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### **Packaging, storing, transportation**

Delivery is made in rolls. The rolls are wrapped on cardboard cores with diameter 76 mm. Each roll is separately packed in foil. Rolls have to be stored and transported dry, most suitable in original packaging. Transport only in clean and closed trucks or closed containers.

Information, details, and data of our brochure are according to the best of our knowledge, if possible proved by tests and are for information only. We recommend tests according to your specific conditions. Our technical and commercial department will be at your service at all times.

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