

## OVERVIEW TECHNICAL DATA

# cosTherm<sup>®</sup> S.280

**Product Description:**

cosTherm<sup>®</sup> S.280 is an insulation material based on high quality fine weave glass fibre combined with temperature resistant high class thermosetting resin. cosTherm<sup>®</sup> S.280 is characterized by an outstanding insulation effect and a very high long-term temperature resistance.

Data	Value	Unit
Operating temperature short term	350	°C
Operating temperature long term	280	°C
Thermal conductivity	0,22	W/mk
Coefficient of expansion (in length and width)	8*10 <sup>-6</sup>	1/K
Compressive strength at 23 °C	450	N/mm <sup>2</sup>
Compressive strength at 200 °C	200	N/mm <sup>2</sup>
Bending strength at 23 °C	120	N/mm <sup>2</sup>
Bending strength at 200 °C	37	N/mm <sup>2</sup>
Density	1,85	g/cm <sup>3</sup>

**Delivery forms:**

Standard size 2800 x 1240 mm  
Standard thicknesses 6 - 30 mm

We deliver plates, pre-cut parts and machined parts according to drawings.

**Application:**

cosTherm<sup>®</sup> S.280 is the perfect insulation material for applications with a long-term temperature stress exceeding 250 °C and a high mechanical load.

Additional technical information is available up on request.