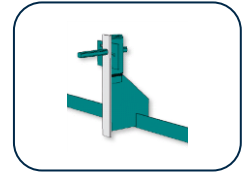


**PLAKA – THERMI-K**

Thermal insulation plate for KORBO brickwork support

REF 02.01.02 - Version V01 - 11/08/2020



**Description**

The thermal insulation plate THERMI-K increases the thermal resistance of the KORBO brickwork support. This polymeric material is resistant to high compression loads.

**Application fields**

The THERMI-K plate is placed between the KORBO bracket and the bearing concrete structure. The THERMI-K reduces the thermal losses caused by the brackets.

**Properties**

Properties		
Color		Gray
Thermal conductivity from 0°C to +60°C	DIN 53612	0,16 W/mK
Vicat-softening point	ISO 306 Process B50	≥ 75°C
Heat deflection temperature	ISO 75	+ - 68°C
Coefficient of linear thermal expansion (from -30°C to +50°C)	DIN 53752	0,08 mm/mK
Specific gravity	ISO 1183	+ - 1,43 kg/m <sup>3</sup>
Tensile strength at yield	ISO 527	≥ 55 N/mm <sup>2</sup>
Elongation at tear	ISO 527	≥ 15%
Flexural strength	ISO 178	≥ 80 N/mm <sup>2</sup>
Compression strength	ISO 3605	≥ 70 N/mm <sup>2</sup>
Modulus of elasticity	ISO 527-2/1A/50	≥ 3000 N/mm <sup>2</sup>
Shore hardness D	DIN 53505	82
Water absorption after 7 days	DIN 53495	< 0,08%
Deformation at compression strength		3%

\* These values are given for indicative purposes by taking an average density into account. Subject to change without prior notice.

Chemical resistance			
AGENT	CONCENTRATION	TEMPERATURE	
		20°C	60°C
Anorganic chemicals			
Ammonia	24	++	-
Chromated sulphuric acid	-	++	0
Potassium lye	10	++	++
Potassium lye	40	++	++
Aqua regia	-	++	+

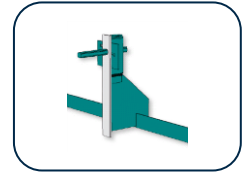
©Copyright protected

This sheet, written with great care, supersedes all previous versions. The technical information on the design, models, illustrations, design values and specifications are believed to be accurate. We make no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with non suitable use of this product. We reserve the right to modify the contents of this form without prior notice.

**PLAKA – THERMI-K**

Thermal insulation plate for KORBO brickwork support

REF 02.01.02 - Version V01 - 11/08/2020



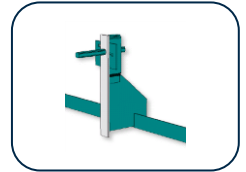
Sodium chloride	40	++	++
Sodium hydrosulphide	10	++	++
Sodium hypochloride	40	++	++
AGENT	CONCENTRATION	TEMPERATURE	
	%	20°C	60°C
Sodium hydroxide	10	++	++
Sodium hydroxide	40	++	++
Phosphoric acid	10	++	++
Phosphoric acid	85	++	++
Nitric acid	10	++	++
Hydrochloric acid	10	++	++
Hydrochloric acid	35	++	++
Sulphuric acid	10	++	++
Sulphuric acid	96	++	++
<b>Organic chemicals</b>			
Formic acid	10	++	++
Formic acid	100	++	+
Aniline	-	-	-
Ethanol	-	++	+
Petrol-Benzene mixture (BV-Aral)	-	-	-
Benzene	-	-	-
Butanol	-	++	++
Cyclo-hexane	-	++	+
Cyclo-hexanol	-	++	++
Decaline	-	++	++
Diesel fuel	-	++	-
Diethylether	-	-	-
Glacial acetic acid	-	++	-
Acetic acid	10	++	++
Formaline	-	++	+
Glycol	-	++	++
Fuel oil	-	++	not tested
Heptane	-	++	-
Hexane	-	++	++
m-Cresol	-	+	-
White spirit	-	++	0
Machine oil	-	++	++
Methanol	-	++	+
Olive oil	-	++	++
Petrolether	-	++	+
Turpentine oil	-	++	0
Toluene	-	-	-
Transformer oil	-	++	++
Xylene	-	-	-

©Copyright protected

This sheet, written with great care, supersedes all previous versions. The technical information on the design, models, illustrations, design values and specifications are believed to be accurate. We make no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with non suitable use of this product. We reserve the right to modify the contents of this form without prior notice.

**PLAKA – THERMI-K****Thermal insulation plate for KORBO brickwork support**

REF 02.01.02 - Version V01 - 11/08/2020

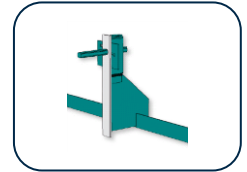


\* Key to symbols: ++ good resistance weight diff. below 1% // + resistant weight diff. 1 to 5% // 0 limited resistance weight diff. 5 to 10% // - no resistance

**PLAKA – THERMI-K**

Thermal insulation plate for KORBO brickwork support

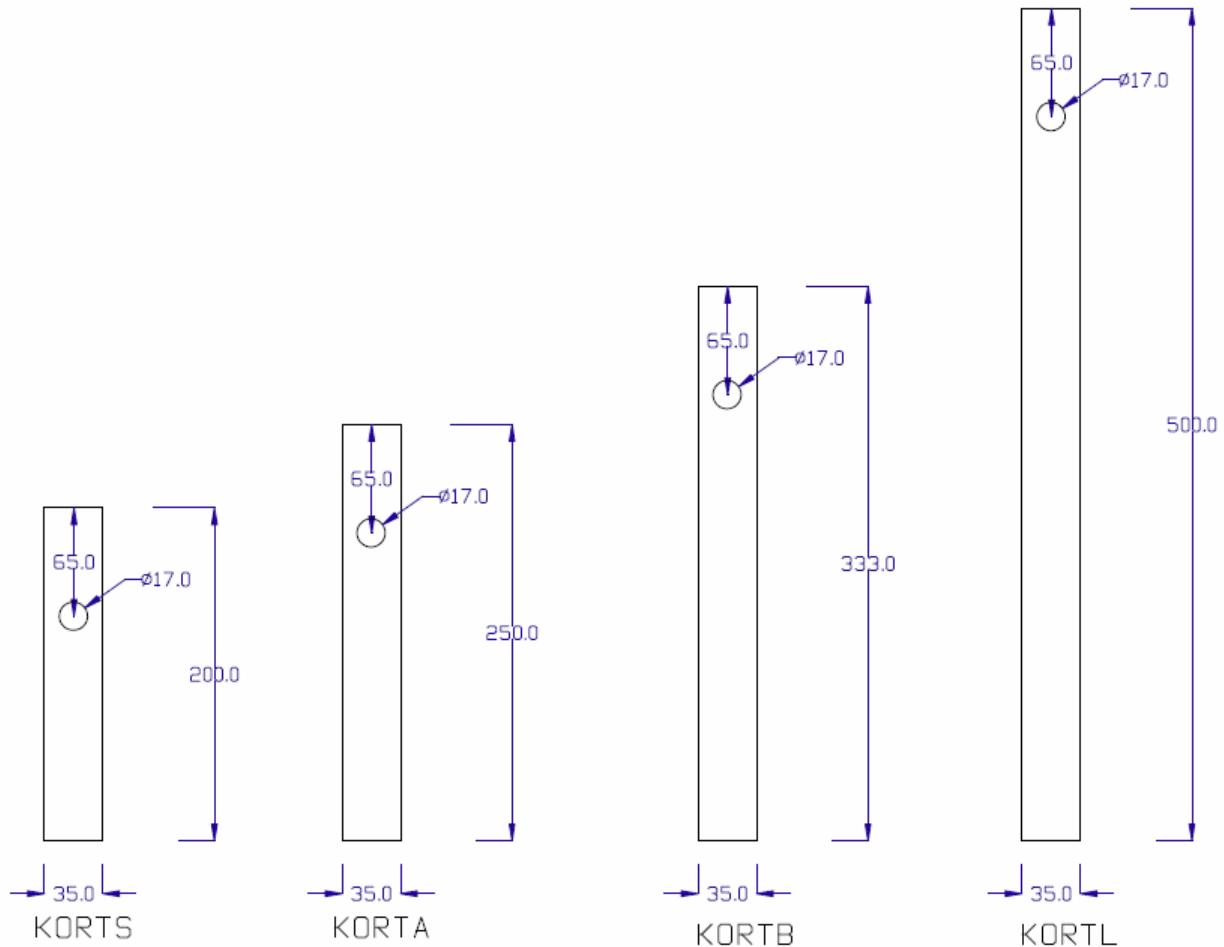
REF 02.01.02 - Version V01 - 11/08/2020



**Dimensions**

Dimensions of the materials		
Name	Material	Code
Thermi-K type S	Synthetic polymer 200mm x 35mm x thickness 6mm For KORBO brackets of reduced height	KORTS*
Thermi-K type A	Synthetic polymer 250mm x 35mm x thickness 6mm For KORBO brackets type A	KORTA
Thermi-K type B	Synthetic polymer 333mm x 35mm x thickness 6mm For KORBO brackets type B and type C	KORTB
Thermi-K type L	Synthetic polymer 500mm x 35mm x thickness 6mm For large size KORBO brackets	KORTL

\* not in stock



**Figure 1** Dimensions [mm]

©Copyright protected

This sheet, written with great care, supersedes all previous versions. The technical information on the design, models, illustrations, design values and specifications are believed to be accurate. We make no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with non suitable use of this product. We reserve the right to modify the contents of this form without prior notice.