STEULER

Refractory | Linings

Data Sheet

Shaped refractory products

Brand: **Steuler Cartop 50**

Classification: FC 40

Raw material base: high-alumina raw materials

Type of bonding: ceramic

Chemical Composition

Al_2O_3	SiO_2	Fe_2O_3	MgO
47%	44%	1.5 %	3.0 %

Physikalische Eigenschaften / *Physical Properties*

Bulk Density	**BD**	acc.: DIN EN 993-1		**140**	**lb/ft³**
Apparent Porosity	**Po**	acc.: DIN EN 993-1		**20**	**vol. %**
Cold Crushing Strength	**CCS**	acc.: DIN EN 993-5		**8702**	**lb/in²**
Refractoriness under load	**RUL (t_{05})**	acc.: DIN EN ISO 1893		**2408**	**°F**
Thermal Shock Resistance	**TSR**	acc.: DIN 51068		**30**	
Thermal Expansion (linear)	**TE**	*acc.:* DIN 51045-2	at 1000 °C	**0.5**	**%**
Maximum Service Temperature	**MST**			**2228**	**°F**

Dimensional tolerance	**for sizes <**	**4 inch :**	**±0.08**	**inch**
	for sizes ≥	**4 inch :**	**± 2**	**%**
Warpage of the largest size :			**± 1.5**	**%**
Outer appearance acc. to Product Guideline No. :			**-**	

The above data are average values applicable to machine-pressed standard bricks and similar sizes. They have been determined in compliance with the current DIN specifications. They cannot be taken without reservation for other sizes or as inspection specification. All information correspond to the present state of knowledge. However a liability concerning the properties cannot be derived from the data. We reserve the right for technical alterations.

All other contrary data, which have been published until now, are no longer valid.

Actual state: 09/26 Brand No.: 3022

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