

HEGSEL® ProBrick ST

Standard Grade Acid-Resistant Brick

You Build, We Protect!

Acid-resistant chamotte manufactured by dry-pressing, complies with ASTM C279 Type II.

Chemical Composition		Dimensions
Al ₂ O ₃	26%	A variety of shapes and dimensions can be accommodated, based on the specifications provided by clients.
SiO ₂	68%	
Na ₂ O + K ₂ O	3.5%	
Fe ₂ O ₃	1.4%	
TiO ₂	0.7%	

Characteristics	Standard	Value
Bulk Density	EN 993-1	2.17 g/cm ³
Water Absorption	EN 993-1	4.6%
Apparent Porosity	EN 993-1	10.0%
Cold Crushing Strength	EN 993-5	80 MPa
Refractoriness Under Load (T05)	EN ISO 1893	1270 °C
Thermal Expansion at 500 °C	EN 993-19	0.25%
Acid Resistance	EN 993-16	0.80%
Thermal Conductivity	EN ISO 8894-2	150 °C : 1.30 W/mK 300 °C : 1.25 W/mK 700 °C : 1.40 W/mK
Dimensional Tolerances	-	≤ 133 mm: ± 2 mm > 133 mm: ± 1.5%

Note: The provided values represent the average results obtained from testing.

Application Areas

HEGSEL ProBrick ST is ideal for various industrial applications including cement and lime, chemical and energy sectors, industrial chimneys, incineration plants, refineries, metallurgy, pulp production, glass manufacturing, ceramic industries, etc.

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All information contained herein is based on the current state of our knowledge and practical experience at the time of release. Therefore, please make sure that this is the latest edition of the Technical Data Sheet. All data are only intended as a guideline for informational purposes and do not constitute a legally-binding warranty of the suitability for a certain purpose of use, due to its dependence on site conditions and possible processing, use and applications. All information contained in this technical datasheet is subject to change without notice.

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