

HEGSEL® SuperBrick VF

Acid-Resistant Bricks

You Build, We Protect!

HEGSEL SuperBrick VF exhibits significant chemical resistance to acids, hydrocarbon compounds, and saline solutions. Their resistance to alkaline substances is conditional, and they are vulnerable to hydrofluoric acid.

Chemical Composition		Dimensions
Al ₂ O ₃	24%	A variety of shapes and dimensions can be accommodated, based on the specifications provided by clients
SiO ₂	69%	
Fe ₂ O ₃	1.1%	
Na ₂ O / K ₂ O	3.2%	

Note: The provided data are averages from the manufacturing process, aligned with current DIN standards, and should not be used directly as inspection criteria.

Characteristics	Standard	Value
Bulk Density	DIN EN 993-1	2.15 g/cm ³
Water Absorption	DIN EN 993-1	5 wt. %
Open Porosity	DIN EN 993-1	11 vol. %
Cold Crushing Strength	DIN EN 993-5	80 MPa
Cold Bending Strength	DIN EN 993-6	12 MPa
Acid Solubility	DIN EN 993-16	0.80% by weight
Thermal Expansion	-	0.55% / 1000°C
Thermal Conductivity @400°C	-	1.05 W/mK
Thermal Conductivity @800°C	-	1.35 W/mK
Thermal Conductivity @1200°C	-	1.55 W/mK

Main Application

HEGSEL SuperBrick VF can be used for floors and equipment in various industries, including chemical and petrochemical plants, steel / copper plants, power plants, fertilizer plants, pharmaceuticals, pulp / paper plants. HEGSEL SuperBrick VF encompasses acid-resistant bricks, designed for constructing floors, tanks, and various surfaces that require protection against abrasion, chemicals, and extreme temperatures.

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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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