



# H96 Cement Board

H grades are cement boards specifically designed to provide outstanding service in demanding high temperature applications.

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**Product  
Description**

H96 has been specially developed to provide outstanding service in demanding thermal applications, where a quality, high strength, machineable engineering board is required. It is the industry standard for high temperature insulation boards and structural insulation boards. H96 is used in demanding heat and electrical insulation applications in induction furnaces, billet heater boxes, oven cladding, cathode support pads, furnaces and smelters.

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**Product  
Advantages**

- High Strength
- High Machinability
- Excellent Thermal Resistance
- Excellent Electrical Resistance
- High Quality Products
- High Toughness
- Dimensionally Stable
- Non Combustible
- Chemically Inert
- Mechanical Strength at Temperature
- Resistant to most molten metals

Technical Data

Property	Unit	Value
Density	g / cm3	1.72
Compressive strength	MPa @ ambient 24 hrs @ 350°C 24 hrs @ 500°C	102 75 55
Flexural strength	MPa @ ambient 24 hrs @ 350°C 24 hrs @ 500°C	32 28 23
Impact strength	KJ/mm @ ambient 24 hrs @ 500°C	3 2.9
Linear shrinkage	% 24 hrs @ 350°C	0.4
Water absorption	% 24 hrs @ ambient	1
Electric strength	KV/mm @ 90°C	2
Surface Breakdown	KV/mm @ 90°C	15
Maximum continuous operating temperature	°C	500

Approved Applications

- Induction furnaces
- Billet heater boxes
- Oven cladding
- Cathode support pads
- Furnaces and smelters

Sizes

Standard sheet sizes are 620 x 940 mm, with thickness up to 25 mm. Alternatively, machined components are available on request to customer drawings.

Maintenance

Periodic visual inspection is recommended.

Storage

- To be stored in a dry location
- Take care not to exceed safe working loads and heights for storage shelves and racks



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**ARCLEX**

***FEROFORM***

***FIREFLY***

**NITRASIL**

**REFEL**

**REFRACTORY  
PRODUCTS**

**REFRAVER**

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Advanced materials.  
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