

Norfoam® A Ultra- Pure Insulating Ceramic Foam For High Performance Applications

Norfoam®A high purity ceramic foam offers new opportunities and variability for insulating properties for a wide range of applications.

Its unique properties and composition makes it suitable to use in areas where fiber or insulating brick material were historically used.

Norfoam®A is a ultra-low density ceramic foam (0.5 g/cm^3 or 0.7 g/cm^3) with excellent insulating properties.

Norfoam®A products are of highest refractoriness (maximum use temperature is 1800°C) and their extreme purity ($>99.8\% \text{ Al}_2\text{O}_3$) with minimum silica content allow the use in applications such as heat treatment furnaces or under severe atmosphere conditions (e.g. furnaces under H_2 , N_2 , O_2 , CO , or other oxidizing or reducing atmospheres).

This alumina foam product can be machined in a work shop or on site for various shapes and would allow insulating structures with reduced thickness and higher mechanical strength compared to fiber material. It also enables lighter steelwork design compared to conventional insulating refractory brick (e.g. kiln door or roof design).

Norfoam®A products do not contain any fiber materials or organic binders and are consequently HSE friendly in use and application. There is no dust emission during handling and use.

Its material structure imparts excellent thermal shock resistance that offers additional energy saving potential in application.

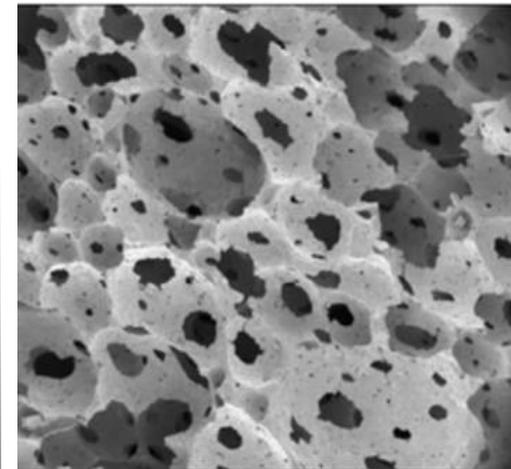
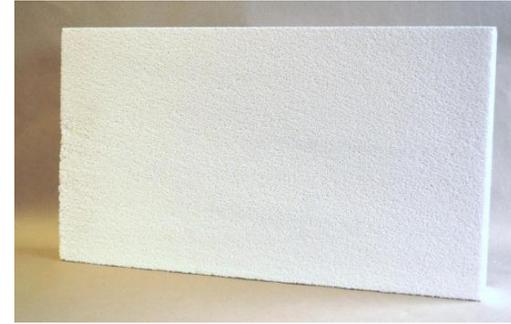
High abrasion resistance insures safe work in furnace linings without risk of pollution of the product and leads to optimal lifetime.

Applications:

- Industrial furnace linings
- Laboratory furnace linings
- Microwave furnace linings
- Special atmosphere furnace linings
- Fiber replacement
- Crystal growth furnaces
- Special applications

Norfoam®A product is available in three different product configurations:

- Norfoam®A d0.5
- Norfoam®A d0.7
- Norfoam®A d0.7 TSR with increased mechanical strength and thermal shock resistance



Different Norfoam®A product shapes

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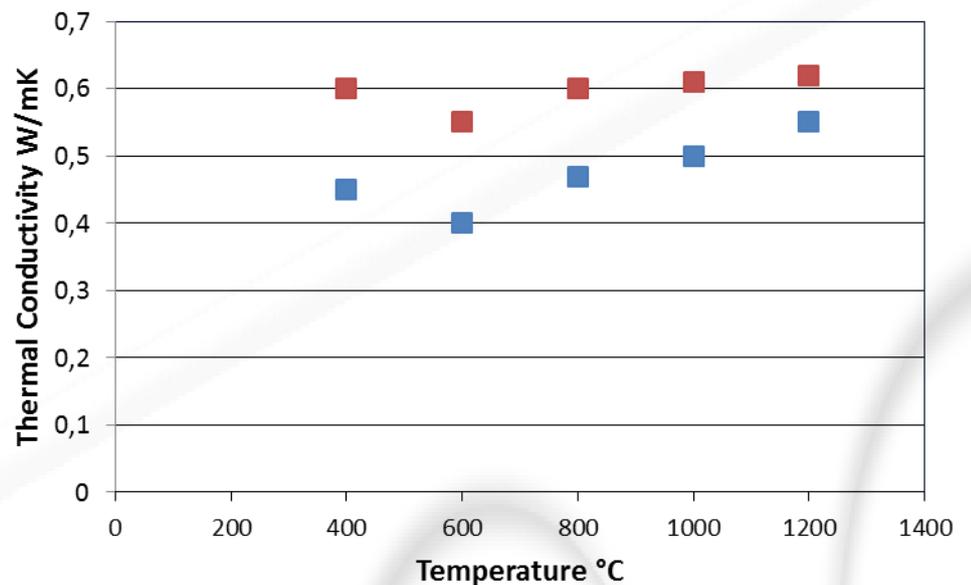
The following dimensions of Norfoam®A product are available:

- 600x400x25/50/75/100mm
- Special sizes/shapes on request.

Norfoam®A Product Data:

	Al ₂ O ₃ (%)	SiO ₂ (%)	Porosity (%)	ColdCrush Strength (MPa)
Norfoam® A d0.5	>99.8	<0.15	85	2
Norfoam® A d0.7	>99.8	<0.15	83	2
Norfoam® A d0.7 TSR	>99.0	< 1.0	83	6

Norfoam®A Thermal Conductivity:



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