

# Back-up Insulation Packing Foam “E-Z Foam™”

E-Z Foam™ is a superior insulating foam back-up material. It is applied after mixing the catalyzer supplied together with the product. The catalyzer helps E-Z Foam™ to expand and fill the application area.

It is specially developed for Wagstaff and other casting table refractories, runners, filter housings, degassing systems and all other back-up refractory applications. Compared to the traditional foam back-up materials, E-Z Foam™ can be prepared quickly and has longer working time.

Furthermore, using much less water provides faster dry out time allowing equipment to be used sooner. This technology holds the refractory in place, reducing crack propagation. E-Z Foam™ is non-wetting to aluminum, stopping metal penetration and eliminating leaks.



## Features

- Long working time during the application compared to its alternatives: approximately 10 minutes.
- Low water content, thus short curing time.
- Easy and quick to apply as it is pourable.
- Self-bonding so no seams when double poured.
- Easy to replace refractory pieces.
- Low density with excellent insulation performance.
- Non-wetting to molten aluminium.



## Main Properties

Chemical Composition, %	
SiO <sub>2</sub>	60
Al <sub>2</sub> O <sub>3</sub>	10
P <sub>2</sub> O <sub>5</sub>	20
Other	10
Fired Properties, 816 °C (1500 °F)	
Modulus of Rupture, psi	70
Cold Crushing Strength, psi	130
Shrinkage, %	2,2
Thermal Conductivity, W/m.K	
260 °C (500 °F)	0,22
538 °C (1000 °F)	0,26
Density, kg/m <sup>3</sup>	641
Dry Density, kg/m <sup>3</sup>	513
Dry Modulus of Rupture, psi	100
Normal Use Temperature, °C	816
Aluminium Cup Test (7075 Alloy, 72 hours at 816°C)	Excellent

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.