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WDS® High Microporous Insulation

WDS®High microporous insulation is an extremely efficient insulating material in board form. This product is composed of fumed silica and opacifiers for minimizing infrared radiation. WDS®High is encapsulated in polyethylene film to make the boards moisture resistant and easily handleable. In industrial insulation applications, WDS®High allows precisely controlled energy emission, reduction of weight and volume, increased weight retention, and increased effective volume.



Common applications for WDS®High include:

- Refractory Backup in molten metal holding equipment (ladles, holding furnaces, etc)
- Backup insulation in melting equipment
- Insulation in heat treat systems
- Efficient kiln and furnace insulation
- Insulation in electronic devices

Product Data

Color	White
Bulk Density	15.5—19 pcf
Maximum Temperature	1922°F
Thermal Conductivity BTU-in/hr ft ² °F	0.145@392°F 0.208@1112°F
Compressive Strength	290 psi
Hot Compressive Strength @ 1300°F	218 psi
Flexural Strength	17 psi
Permanent Linear Change 24 hours at 1500°F	- 0.3%
24 hours at 1742°F	<1.5%
Available Thicknesses	.20", .28", .40", .80", 1.00"

This information, which is subject to change, is offered solely for your consideration and is not a warranty or representation for which we assume legal responsibility.