ALLIED MINERAL PRODUCTS

MAXWOOL™

CERAMIC FIBER BLANKET

MaxWool™ Ceramic Fiber Blanket is easy to install, and require no curing or dry out time. Rapid heat-up can be achieved with all MaxWool™ Ceramic Fiber blanket; it will not crack or spall and is thermal shock resistant. This product saves energy. It reduces heat loss and heat storage versus other hard refractory products.

MaxWool™ Ceramic Fiber Blanket can be used in various applications which include Petrochemical, Refining, Steel, Ceramic, Glass, Fire Protection and Power Generation. This product can be fabricated and shop installed for most applications.

Features:

- Easy install
- Low thermal conductivity
- Low heat storage
- High tensile strength
- Thermal shock resistant

Application:

- Heat Treating & Annealing Furnaces
- Furnace door linings and seals
- Furnace hot face repair
- Reheat Furnaces
- Ladle covers...and more!

Product	Temperature	Density	Thickness	Width	Description
NUTEC HPS	2300°F (1260°C)	4 lb 6 lb 8 lb	0.5” 1” 1.5” 2”	24” 48”	Alumina and silica blend. Can be used up to 2300º intermittently and continuous use up to 2150ºF (1177ºC). High tensile strength and durability for longer life
NUTEC HTZ	2600°F (1430°C)	4 lb 6 lb 8 lb	0.5” 1” 1.5” 2”	24” 48”	Alumina-zirconia-silica blend. Can be used to a continuous use temperature of 2450ºF (1343ºC). High tensile strength and durability for longer life

in our element

Global **Refractory** Solutions

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ALLIED MINERAL PRODUCTS

MAXPLY™ & SUPERPLY™

CERAMIC FIBER PAPER

MaxPly™ Paper by NUTEC

MaxPly™ is a refractory ceramic fiber manufactured from a high index, high purity spun fiber with an acrylic binder to form a uniform, strong, flexible, light-weight sheet. The high temperature stability combined with extremely low thermal conductivity make MaxPly™ a perfect solution for many different applications as a thermal insulator, heat shield, gasket or seal. The high temperature paper uses new high index, spun fiber technology adding to both the green strength, and the retained strength after the binders are removed.

SuperPly™ Paper by NUTEC

SuperPly™ is a high temperature paper manufactured from a high index, low bio-persistent spun fiber with an acrylic latex binder to form a uniform, strong, flexible, light-weight sheet. The high temperature stability combined with extremely low thermal conductivity make SuperPly™ the perfect solution for many different applications as a thermal insulator, heat shield, gasket or seal. The high temperature paper uses the new high index, spun fiber technology adding to both the green strength and retained strength after the binders are removed.

Features:

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Lightweight, strong, flexible
- Easy to fabricate, low dust

Markets & Applications:

MaxPly™ papers are commonly used throughout industry where thin, light-weight, high temperature materials are needed. Some examples are:

- Automotive (exhaust heat shields, airbags inflators, electric vehicle lithium batteries separators
- Appliances (ovens, stoves, electric heaters, wood burning stoves)
- Industrial Heat Processing (Ceramic & Glass, Petrochemical, Steel, non-ferrous metals)
- Aerospace

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