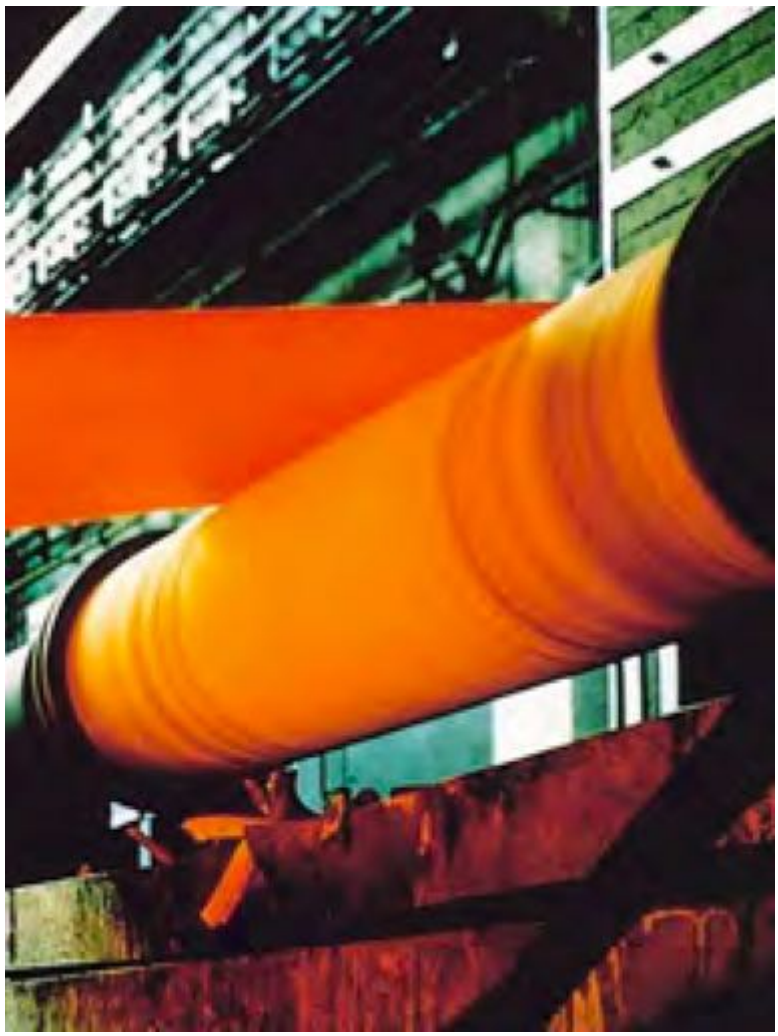
Wedge India

Furnace Rollers Ring Disc

High Temperature Resistant up to 1300°C | Shot Free

- Refractory grade millboard
- Excellent Thermal Resistance
- High Resistance to Cracking
- Proven Performance
- Suitable up to 1300°C
- Very Low Shrinkage at 1300°C
- Low Thermal Conductivity
- High Wear Resistance
- Shot Free



Wedge India Heat Insulation Solutions

Improved solutions to heat problems are constantly required in most applications and processes starting from (-) 60 °C to 1750 °C to improve operational performance and durability of equipments, reduce heat loss, save energy, save space, and protect environment.

Finding heat insulation system with highest insulation performance (lowest thermal conductivity), high mechanical strength, high service temperature, easiest application, long lasting, and lowest cost is almost impossible. However, thanks to the modern insulation technologies and latest developments in combining wide range of technical properties making it available a wide range of insulation materials & systems to achieve optimized high performance at low cost and long lasting insulation systems at extremely low maintenance cost.

Heat insulating materials usually have a total porosity of at least 45%, in practice mostly from 60 to 90%, and in extreme cases up to 99%. Besides low thermal conductivity, high porosity causes reduced mechanical strength, high gas permeability and low corrosion resistance. The thermal conductivity not only depends on the total porosity of the material, but also on the pore size and shape, the structure composition and the mineralogical composition.

Depending on temperature, the factors responsible for the flow of heat – solid state conduction, convection and radiation – vary in influence. Maximum pore diameters of < 1 mm are necessary. Micro -porous insulating materials with pores < 0.1 µm have the lowest thermal conductivity.

Wedge manufactures and offers wide range of Insulation solutions designed in-house, manufactured with high quality raw materials, and fabricated to highest precision.

Wedge Insulation systems satisfy the demand for optimum planning, thermal profiles, ready to use shapes, lower thickness, easy installation, high insulation performance, long life, and lower maintenance cost. Our insulation materials are most suitable for all types of surfaces straight and cylindrical.

Our wide range of insulation products include: Microsilica, Fumed Silica, Nano-porous, Microporous, Millboards, Magnesium Silicate, Calcium Silicate, Perlite, Vermiculite, Refractory Fibre Cement, Ceramic Fibre, Glass Wool, Slag Wool, Foam Glass, Aerogel, Vacuum Insulation.

RIMB 1260AS | High Temperature Millboard Rollers Ring Disc

Wedge RIMB 1260AS are 1300°C Refractory grade high temperature resistant Insulation Millboard has been specially developed as an alkaline earth silicate fiber millboard to combat the high temperature wear problems associated with roller coverings in stainless steel strip manufacture. Very low shrinkage and high resistance to cracking makes this material an excellent performer.

RIMB 1260AS is produced using exonerated low bio persistent fibers as per European regulatory requirements. Before being put in to service the RIMB 1260AS rollers should be thermally treated by placing them in the stand-by position at a temperature of approximately 1100°C for around 24 hours. This process is essential for the best performance.

Features & Benefits

- High temperature resistant refractory millboard
- Excellent Thermal Resistance
- High Resistance to Cracking
- Proven Performance
- Suitable up to 1300°C
- Very Low Shrinkage at 1300°C
- Low Thermal Conductivity
- High Wear Resistance
- Shot Free to prevent the surfaces of steel

Applications

- Stainless Steel Rollers Covering
- Wider range of dimensions for rollers
- Refractory insulation expansion joints
- Thermal shock protection gaskets
- Stainless Steel Plant Rollers Insulation

Technical Properties

Properties		RIMB 1260AS
Color		White
Classification Temperature, °C		1300
Density, Kg/M3		800-1000
Thermal conductivity, W/m.K		
	400 °C	0.11
	600 °C	0.12
	800 °C	0.13
Tensile Strength, MPa		3
Flexural Strength, MPa		8
Shrinkage % @ 1000 °C		1.5
Compression Strength, @21 MPa		30
Loss on Ignition % at 1000 °C		7

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