Ceramic tile lined pipe

Ceramic Tile Lined Pipe has very uniform coating of specially formulated ceramic material that is affixed to the inner of the pipe and gives a very smooth surface.

Ceramics with very low friction factor at low impingement angles decreases the abrasion of materials maximally. Its low density makes it easy to carry and install.

Ceramic Tile Lined Steel Pipes and Elbows have very uniform coating of specially formulated ceramic material that is affixed to the inner of the pipe and gives a very smooth surface. Ceramics with very low friction factor at low impingement angles decreases the abrasion of materials maximally. Its low density makes it easy to carry and install. Furthermore, its diamond-like hardness, fine grain structure and superior mechanical strength are the unique features that make it a wide range of demanding applications, such as coal preparation, power generation, iron and steelmaking, cement, asphalt, dredging, mining and mineral processing, oil and gas drilling.

Metals have good ductility but poor resistance to abrasion - which means that abrasion prevention is required when metal pipes are used in high-temperature fluid catalyst service. On the other hand, ceramics possess great hardness and abrasion resistance, but they are brittle. Metal Ceramic double pipe is a hybrid pipe using metal as an outer pipe and a ceramic material for inner pipe segments, applied together to utilize the two materials' advantages. Hence excellent wear-resistance and good corrosion resistance of the ceramics and high strength and toughness of metal can be well combined to get a comprehensive advantage of wear-resistance, corrosion-resistance and anti-scaling. They are suitable for applications in heavy wear working conditions.

Ceramics are among the hardest materials available and provide ultimate wear resistance in piping. In high wear applications, ceramic lined pipes have been demonstrated to be cost-effective by increasing service life and reducing maintenance costs. Sunny Steel supply ceramic lined abrasion resistant steel pipes to your custom dimensions and budget. Our ceramic linings are the highest quality materials available to ensure that we provide the most cost-effective solutions for our clients.
Ceramic Tile lined elbow

Elbow inner  Ceramic Tile lined elbow  + Bending

Ceramic Tile Lined Elbow has very uniform coating of specially formulated ceramic material that is affixed to the inner of the pipe and gives a very smooth surface.

Ceramic tile lined bending

Ceramic Tile Lined bending have very uniform coating of specially formulated ceramic material that is affixed to the inner of the pipe and gives a very smooth surface.

Suggested Usage of the Ceramic Tile Lined pipe:

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Ceramic Tile lined pipe reducer

Ceramics are among the hardest materials available and provide ultimate wear resistance in piping.

The Ceramic Tiles could protect Industrial Components against abrasion, impact wear and high temperature of above 1000°C. Standard Flat Tiles of Square & Rectangular Shape having thickness of 6 to 50 mm, with or without central hole are available.

Uses:

Rare high-strength low-alloy heat-resistant, wear-resistant steel parts for the power plant boiler systems in coal, powder, ash slagging pipeline.

Packing:

Packed in wooden crates, wrapped in plastic, and suitably protected for sea-worthy delivery or as requested.

Both ends of each crate will indicate the order no., heat no., dimensions, weight and bundles.

Ceramic tile lined pipe and bend can be cut and welded as you like.
Get in Touch

If you are interested in our products or cooperating with us, even having a comment or a suggestion please contact us now, for more detailed information.
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