Lining and pipes

ZIRDES 2000®



FUSED ALUMINA

Material produced by melting suitable raw materials. The end product is a three-phase system consisting of glass-phase corundum. The end result has excellent properties, especially hardness, high temperature resistance and chemical corrosion resistance.

TECHNICAL DATA

HARDNESS (average)	DENSITY gr/cm³	ABRASION RESISTANCE	THERMAL CONDUCTIVITY	THERMAL EXPANSION	WORKING TEMPERATURE
2000 Vickers	3,5	0,75-1 cm^3 / 50 cm^2 (máx.) (DIN 52108)	4,4 W/m.K	8 x 10^{-6} K^{-1} 0-400 °C	Normal: 1400 °C (máx:)

ANALYSIS (average)

Al_2O_2	Zr O_2	Sl O_2
50%	32%	16%

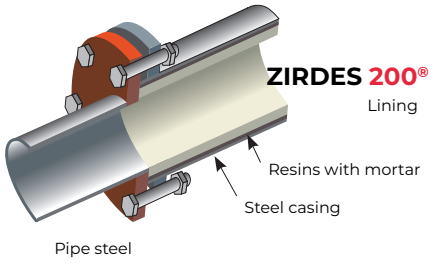
PIPES

INTERNAL DIAMETERS	From 25mm to 610mm

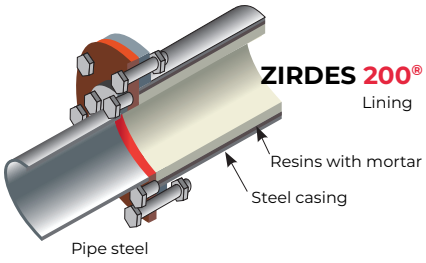
POSSIBLE ANGLES

Radius	750	1000	1500	2000	2500	3000
Angle	90°	90°	60°	45°	45°	30°
	60°	60°	45°	30°	30°	15°
	45°	45°	30°	15°	15°	--

FLANGES TO ADAPT THE INSTALLATION



Conversion flange
Interior blind machined flange. Diameter to fit existing flange.



Intermediate Flange
Flange with holes for screwing the ceramic pipe and with screw. Blind holes for screwing into the installation to the existing flange.

Standard TILES	
DIMENSIONS (mm)	THICKNESS (mm)
200 x 100 200 x 200 250 x 250 300 x 300	22, 30, 40, 50

TILES with holes	
DIMENSIONS (mm)	THICKNESS (mm)
200 x 100 200 x 200 250 x 250	30

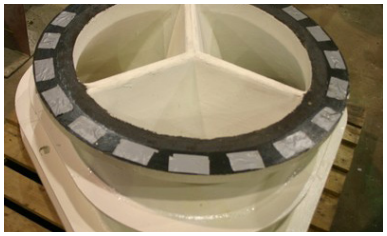
Hexagonal TILEs	
	ø 200 inscribed Thickness 30 mm

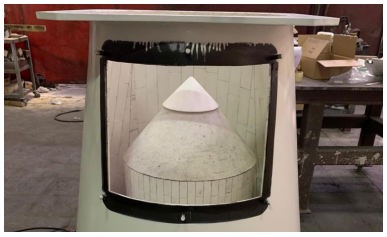
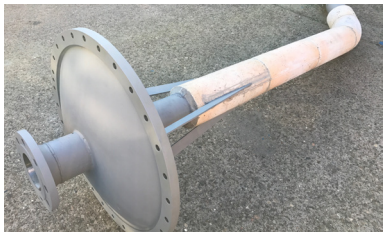
On request: Radial Tiles and Industrial Floor Tiles with different patterns with anti-slip surface.

Due to their extreme hardness, the cast parts are used in conditions of extremely high abrasive stress, such as pneumatic conveying of fly ash, silica sand, limestone, biomass, etc. Particularly exposed locations: angles and molded parts of pipes (reduction, T, Y), with regard to a longer service life in separator linings, chutes, redlers, mixers, cyclones, etc.

ZIRDES 2000®

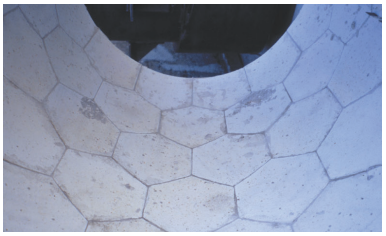
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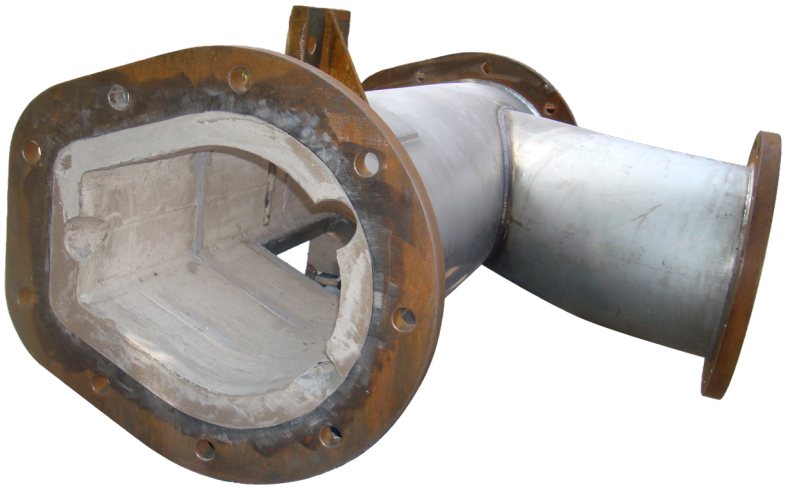






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Anti-wear technology

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