Lining and pipes

BASALDES 800®



FUSED CAST BASALT

Created from selected natural basalt melted at 1300°C which is subsequently recrystallised, giving it high resistance to abrasion, chemical attack and improved sliding.

TECHNICAL DATA

PIPES

HARDNESS (average)	DENSITY gr/cm³	ABRASION RESISTANCE	THERMAL CONDUCTIVITY	THERMAL EXPANSION	WORKING TEMPERATURE
720 Vickers	2,90	3-4 cm^3 / 50 cm^2 (max.) (DIN 52108)	1,1-1,7 W/m.K	9 x 10^{-6} K^{-1} 2-400 °C	Normal: 400 °C (max:600°C without sudden changes)

ANALYSIS (average)

Al_2O_2	Zr O_2	Sl O_2	Fe_2O_2 & Fe O	Ca O	Mg O	K_2O	Na_2O	Tl O_2
Ca O	--	43-55%	9-14%	10-12%	8-12%	3-5%	3-5%	2-3%

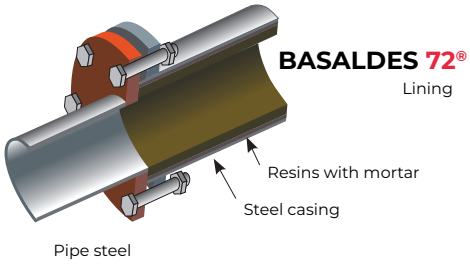
PIPES

INTERNAL DIAMETERS	From 25mm to 610mm

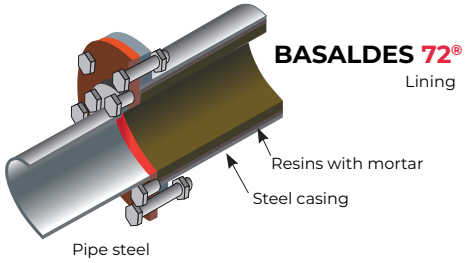
POSSIBLE ANGLES

Radius	750	1000	1500	2000	2500	3000
Angles	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.

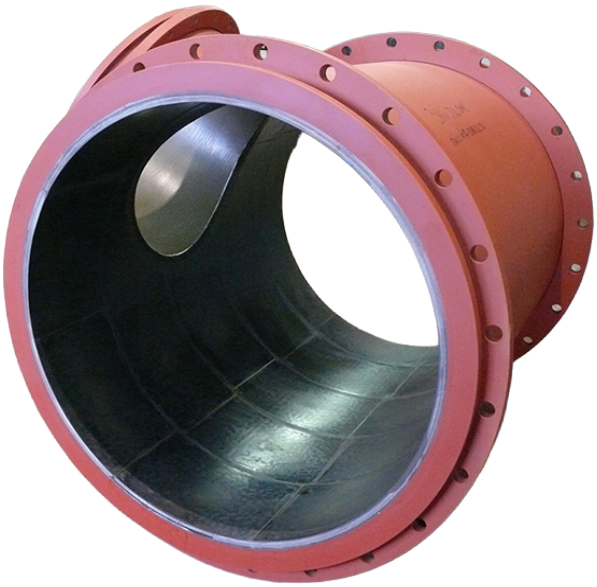
Standard TILES	
DIMENSIONS (mm)	THICKNESS (mm)
200 x 100 200 x 200 250 x 250 300 x 300	22, 30, 40, 50

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

BASALDES 800®

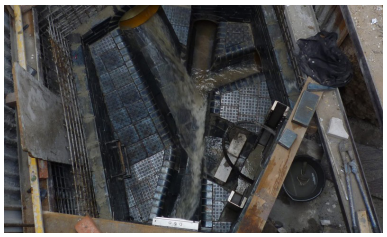
Lining and pipe







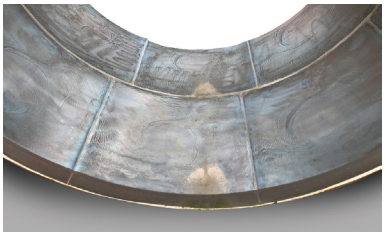






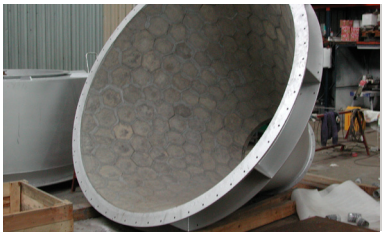


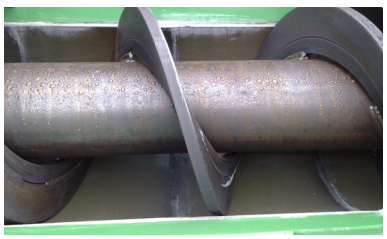
















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Anti-wear technology

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