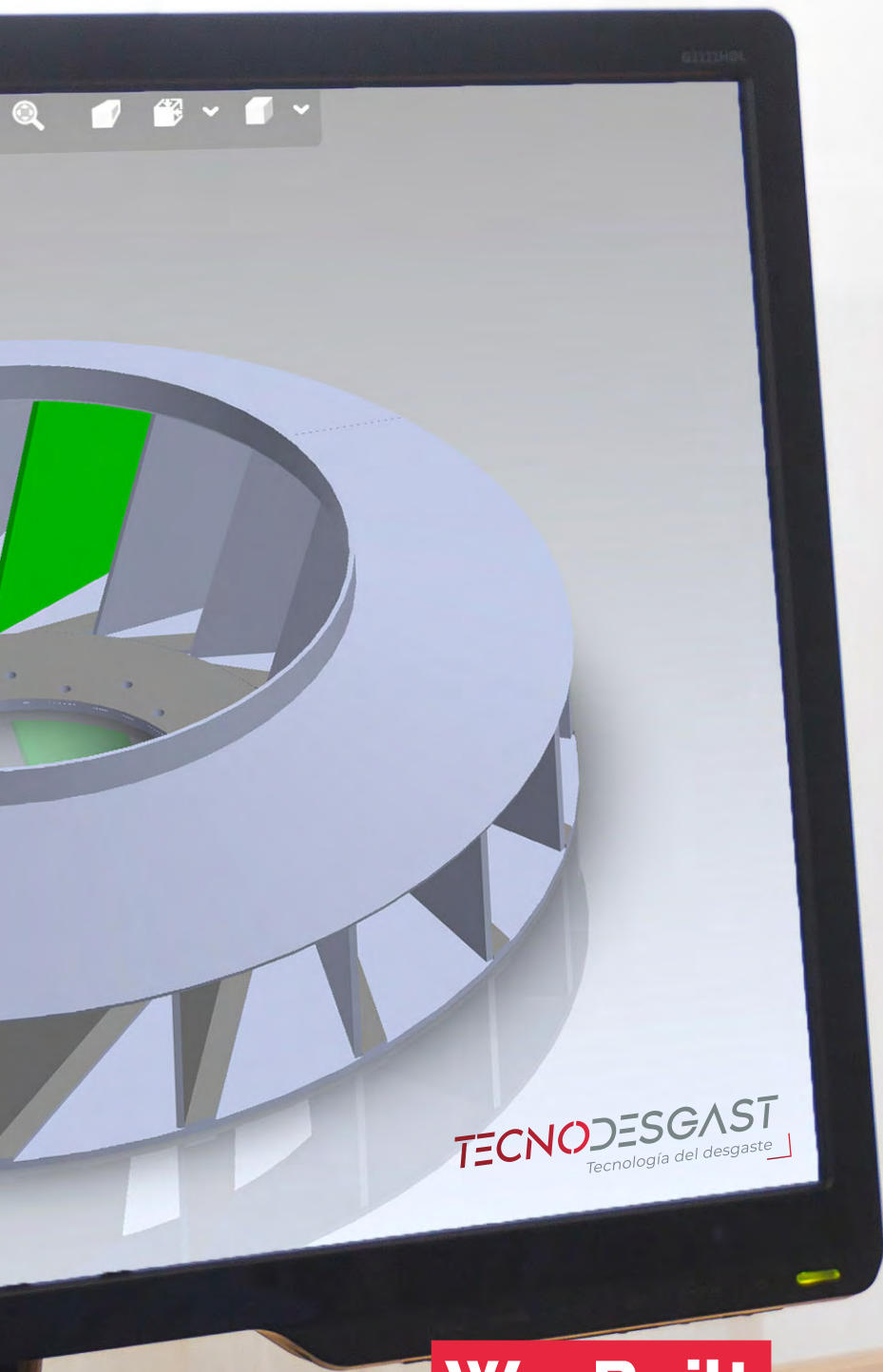


TECNODESGAST®
Anti-wear technology

**Solutions for wear and tear
in the industrial sector**



WWW.TECNODESGAST.COM



We Built

We Innovate

We Create Solutions

About us



At **Tecnodesgast** we develop and manufacture customized solutions for all types of equipment suffering wear from abrasion, chemical attack, temperature or impact.

We are backed by more than 40 years of experience identifying, diagnosing and resolving all types of wear to equipment in the industrial sector.

We offer our customers the best solutions that use specific techniques and precise materials to better optimize their resources.

Our aim is to meet the unique daily needs of every customer, big or small.

Applications

Transporting bulk products in various industries, like basic materials and materials for industrial sectors, causes significant wear and tear on certain components of the equipment.

These different materials each have specific characteristics which can uniquely impact the industries that work with them. Therefore every business needs a personalized solution.

When wear and tear disrupts processes in the industry, the resulting losses can be more costly than buying new parts or making repairs.

This is unacceptable given the competitive nature of today's markets. Therefore, it is crucial to have an effective solution that provides reliable wear protection.





Our approach is to work closely with customers at an early stage, think broadly and boldly, and go beyond traditional solutions for engineering surfaces.



We offer reliable partnerships based on trust, quality and taking total control over every need.



- We monitor wear and tear
- We choose the best solution
- We design parts and coat equipment and pipes
- We build made to measure
- We store all your order information for easy re-order
- We supervise every detail of your installation and verify that parts work optimally



Lining solutions

At Tecnodesgast, we offer you a wide selection of mineral, ceramic and metallic materials, as well as high quality engineering compounds and plastics. This range of options allows us to create highly durable Lining systems that are precisely tailored to your needs.

Piping solutions

Hydraulic and pneumatic hoses, as well as flexible hoses, are often subjected to extremely harsh conditions. When conveying abrasive materials such as ash, sand or grain, pipes experience high levels of stress. Even thick-walled steel or cast iron pipes often show significant wear in a very short period of time.

To ensure a long service life and optimum conveying capacity, it is essential to coat pipes, bends and hoses with wear-resistant materials.

Materials

COMPARATIVE TABLE OF WEAR RESISTANCE

		ABRASION Removal of particles	IMPACT Cracks and breaks	CHEMICAL Deterioration of microstructure	HEAT °C Reduction of hardness	SLIDING Reduction of wear	
Mild steel		1	Medium		180		
LININGS AND PIPELINES	PLASTDES 10®	High molecular density POLYMER	13-14		70		
	POLIDES 86/88/92®	Wear resistant POLY-URETHANE plates	12-15		80		
	HARDES 400®	Plates Cr Mn Mo	4-5		400		
	HARDES 500®	Plates Cr Mo Ni	5-7		400		
	INOXDES 21®	Plates 12-15% Chrome	2-4		400		
	INOXDES 42®	Plates 15-17% Chrome	8-10		500		
	INOXDES 55®	BIMETALLIC wear resistant stainless	20-25		Depending on the base materia	550	Depending on the finish
	INOXDES 66®	BIMETALLIC wear resistant stainless	30-40		Depending on the base materia	800	Depending on the finish
	CROMDES 70®	CHROME CARBIDE wear resistant hardfacing plates	25-30			500	
	CROMDES 80®	COMPLEX CARBIDE wear resistant hardfacing plates	30-40			650	
	CROMDES 85®	COMPLEX CARBIDE wear resistant hardfacing plates	40-50			800	
	CROMDES 95®	COMPLEX CARBIDE wear resistant hardfacing plates	50-60			500	
	TUNGDES 230®	TUNGSTEN CARBIDE wear resistant hardfacing plates	50-60			500	
	BASALDES 72®	Cast Basalt	30-35			500	
	ZIRDES 200®	ZIRCONIUM AND ALUMINA CAST	50-70			1400	
	ALUDES 150®	SINTERED ALUMINA wear resistant CERAMIC	80-100			1000	
CARBUDES 230®	SILICON CARBIDE wear resistant CERAMIC	120-140			1400		
TUBOFLEX 150®	FLEXIBLE PIPE of ALUDES 150	70-90			120		

The comparative table of wear resistance should be used for guidance after prior selection of the most suitable type of material for the specific causes of wear: abrasion, impact, temperatures, chemical attack, etc.

Sender

Mr/Mrs _____ Department _____
 Company _____ Activity _____
 Address _____ City _____
 Telephone _____ Fax _____
 E-Mail _____ Website _____

Description of equipment

Part drawing

Product that wears

Product working _____ Product flow _____ Tm/h
 Wear caused by Abrasion Bridge Formation Others _____
 Corrosion Impact
 Material jumming Clumping Yes No Adhesions Freezing adhesions

Abrasion Impact

Accidental fall of foreign object _____ Hopper is filled empty Yes No Sometimes
 Density _____ g/m³ Velocity _____ m/s Impact distance _____ m
 Edges Yes No Moisture corrosion Yes No Particle size: max _____ mm min. _____ mm
 Angle of incidence 15° 30° 45° 60° 90°

Heat

Working temperature max. _____ °C min. _____ °C Static Load Yes No
 Installation Load Continuous Discontinuous Thermal Shocks Yes No

Chemical

Chemical (products): _____ % _____ ; _____ % _____

SILO or HOPPER dimensions

1 = _____
 2 = _____
 3 = _____
 4 = _____
 5 = _____
 6 = _____
 7 = _____
 8 = _____
 9 = _____
 10 = _____
 11 = _____
 12 = _____
 13 = _____

PIPE dimensions

∅ (interior) = _____
 Length = _____

∅ (interior) = _____
 R Radius = _____
 Angle = _____
 P1- Extension = _____
 P2- Extension = _____

FINANCES Current duration _____
 Product _____ Hardness _____
 Days _____ Weeks _____ Months _____
 Desired duration _____

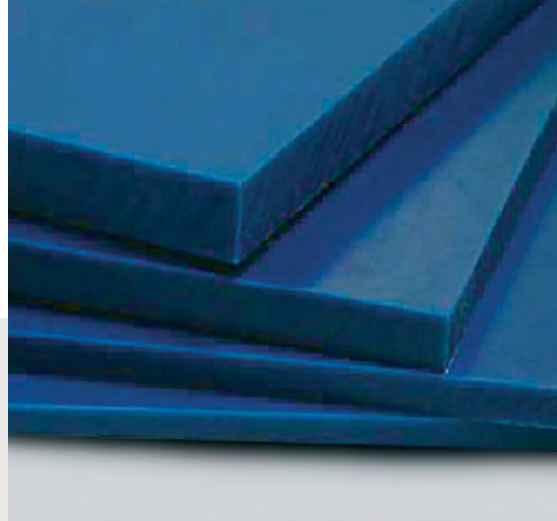


Lining

PLASTDES 10®

HIGH MOLECULAR DENSITY POLYMER

Product with high abrasion and impact resistance and excellent sliding properties.



TECHNICAL DATA

Hardness	Density gr/cm ³	Coefficient of friction
100 Shore A	1,2	0,08-0,10

SUPPLY OF PLATES

Thickness (mm)	Size (mm)
6, 8, 10, 12, 15, 20, 25	3000x1200

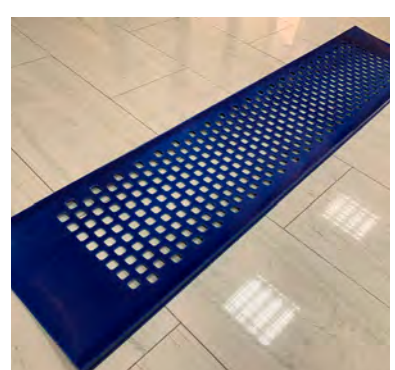
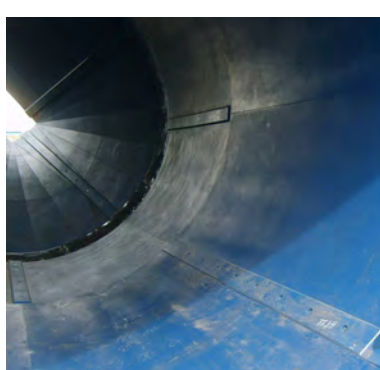
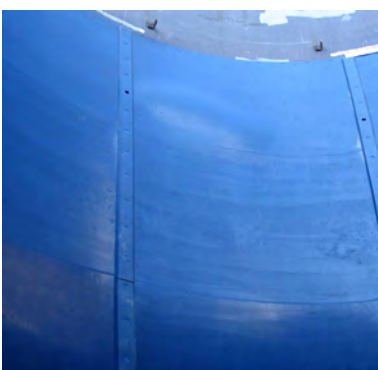
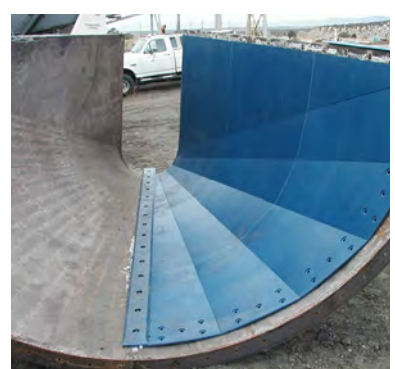
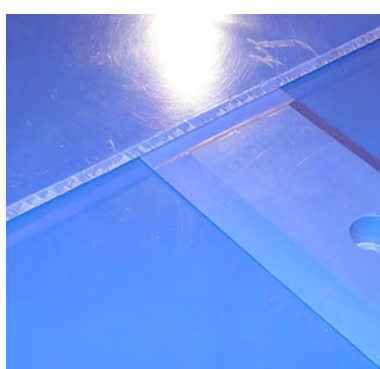
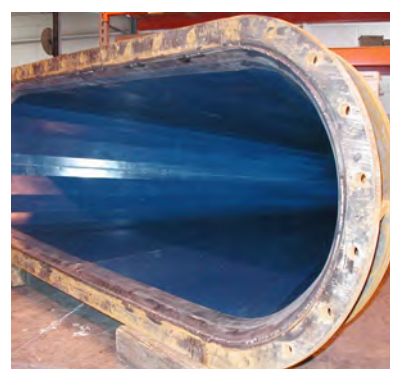
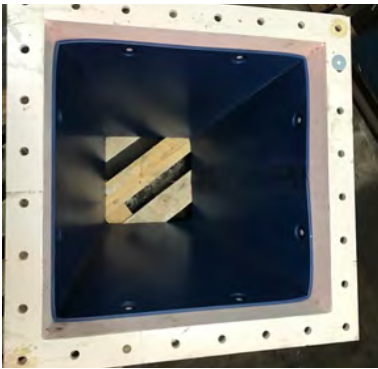
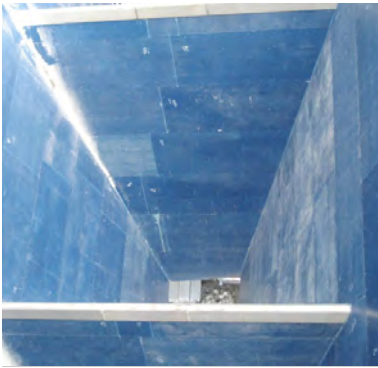
TYPES

SECURING BY WELDING	SECURING BY THREADED BOLT	SECURING BY THREADED BOLT
<p>ANTI-CAKING</p> <p>Anti-caking avoids problems of adherence of materials</p>	<p>NOISE</p> <p>Reduces noise</p>	<p>AUTO EXTINGUISHABLE</p> <p>Supply of flame retardant material on request</p>

PLASTDES 10®



Lining



POLIDES 86/88/92®



POLYURETHANE PLATES

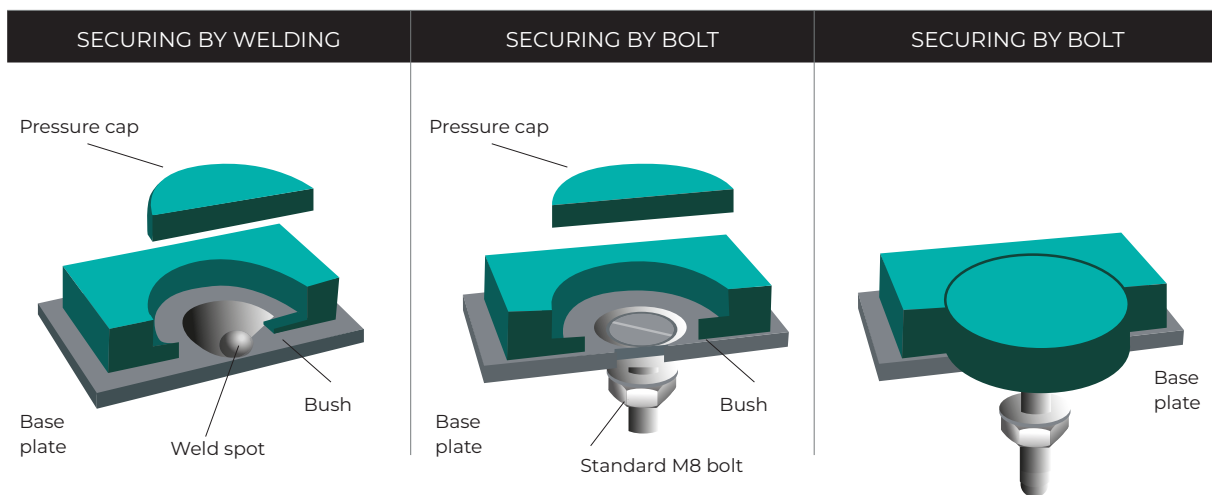
Product with properties of high resistance to abrasion and impact and excellent slipperiness.

Anti-wear polyurethane is effective when WEAR, IMPACT, ENVIRONMENT, CAKING AND ABRASION combine with water, as well as with the application of light weight on the structure of a machine or element.

TECHNICAL DATA

HARDNESS	Density g/cm ³	ABRASION DIN 53516	FRICTION COEFFICIENT	COLOURS	Thickness (mm)	Size (mm)
86 shore A	1,20	18 mm ³	0,25 in dry	Red	2, 3, 4,	3000x500
88 shore A	1,20	22 mm ³	0,25 in dry	Green	5, 6, 8,	2000x1000
92 shore A	1,20	31 mm ³	0,19 in dry	Black	10, 12, 15,	3000x1200
					20, 25, 30	

TYPES



ANTI-CAKING



Anti-caking avoids problems of adherence of materials

NOISE



Reduces noise

AUTO EXTINGUISHABLE

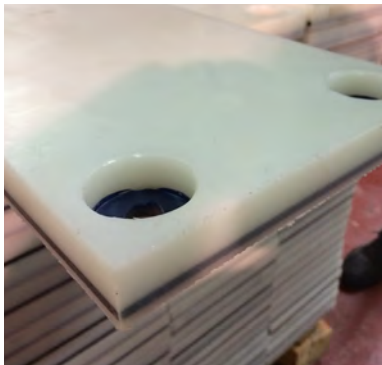


Supply of flame retardant material on request

POLIDES 86/88/92[®]



Lining and pipe



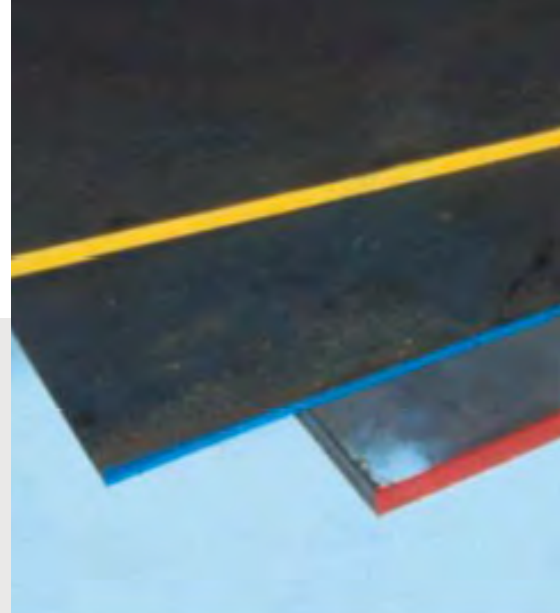


Lining

HARDES 400/500®

WEAR RESISTANT STEEL PLATES

Steel with anti-wear alloy and thermo-mechanical hardness in the core, withstands temperatures up to 400°C and processing up to 900°C. Can be used in crushers, blades, mixers, vibratory feeders...

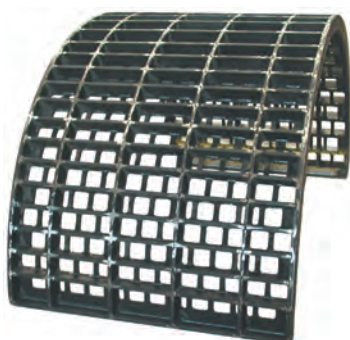


TECHNICAL DATA

HARDNESS VICKERS (averaged)	RESISTANCE TO TRACTION	Analysis (averaged)				
		C	Cr	Mn	Mo	Ni
HARDES 400® 340-410	1200 N/mm ²	0,22	1,40	1,50	0,24	0,15
HARDES 500® 440-520	1500 N/mm ²	0,25	1,60	1,40	0,20	0,7

TYPES AND SUPPLY

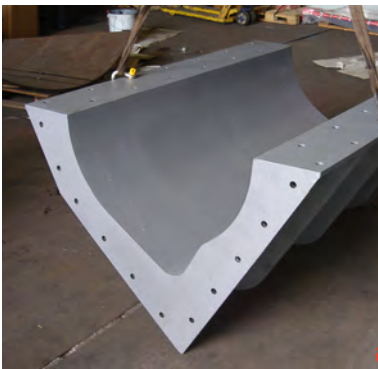
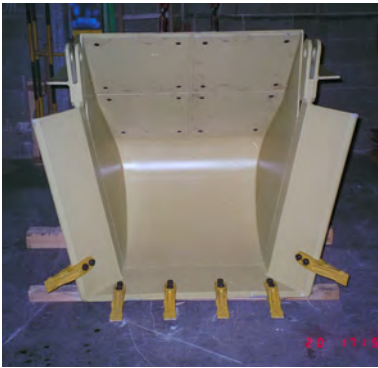
PRODUCTS	THICKNESSES (mm)	SIZE (mm)
HARDES 400® 340-410	5, 6, 8, 10 to 60	2000 x 1000 3000 x 2000 6000 x 1500 6000 x 2000 6000 x 2500
HARDES 500® 440-520	5 to 60	6000 x 2000



HARDES 400/500®



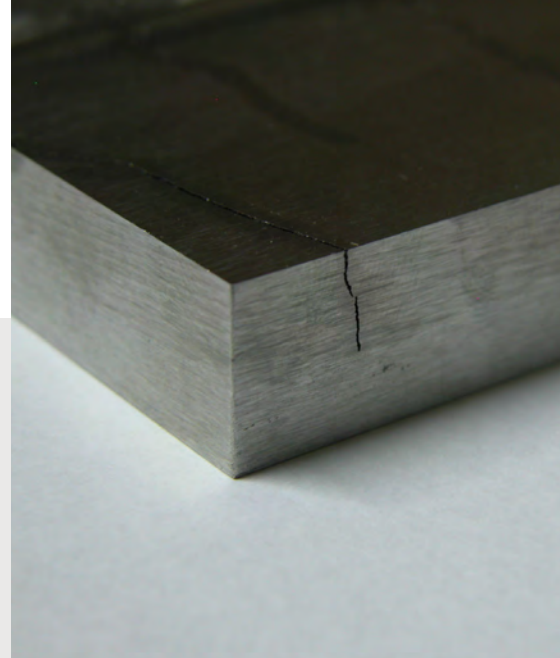
Lining





Lining and pipe

INOXDES 21/42/55/66®



WEAR RESISTANT STEEL PLATES

BI-METALLIC WEAR RESISTANT STAINLESS STEEL

In cases of wear from moisture and high slipperiness, wear-resistant stainless steel is the ultimate alternative. The hardness of "Inoxdes-424" is almost 3 times higher than that of conventional stainless steel, and the hardness of "Inoxdes-660" is 10 times higher.

TECHNICAL DATA

FOR WEAR RESISTANT STEEL PLATES, INOXDES 21®, INOXDES 42®

PRODUCTS	HARDNESS (medium)	DENSITY	ANALYSIS (averaged)	
INOXDES 21®	180 Vickers	7,85 g/cm ²	Carbide 0,07 %	Chrome 12 %
INOXDES 42®	420 Vickers	7,85 g/cm ²	Carbide 0,07 %	Chrome 15 %

FOR BI-METALLIC WEAR RESISTANT STAINLESS STEEL, INOXDES 55®, INOXDES 66®

PRODUCTS	HARDNESS (medium)	DENSITY	TEMPERATURE
INOXDES 55®	526-600 Vickers 50-55 HRC Chromium Boron Carbides 1200 - 1600 HV _{0,4}	7,85 g/cm ²	500 °C
INOXDES 66®	600-660 Vickers 55-58 HRC Chromium Boron Carbides 1600 - 2400 HV _{0,4}	7,85 g/cm ²	800 °C

The hardness of Inox-304 and Inox-316 steel is 160 Vickers

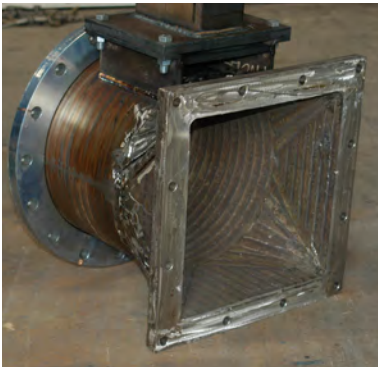
SUPPLY

PRODUCTS	THICKNESSES (mm)			SIZE (mm)
INOXDES - 21	1.5, 2, 2.5, 3			2000x1000 3000x1500
INOXDES - 42	6, 8, 10, 12, 15, 20, 25, 30 Y 40			2000x1500
INOXDES - 55 INOXDES - 66 BIMETALLIC STEEL	BASE PLATE	Deposited surface	TOTAL	2900 X 1800 2900 X 1350 1900 X 850 (deposited surface) Base plate INOX-304 INOX-316 INOX-316
	3	3	6	
	4	3	7	
	5	3	8	
	6	4	10	
	8	4	12	
	10	4	14	
	15	4	19	
	20	4	24	
	25	4	29	

INOXDES 21/42/55/66®



Lining and pipe





Lining and pipe

CROMDES 70/80/85/95® TUNGDES 230®

BI-METALLIC SHEETS

High abrasion and impact resistant steel. Its resistance is 3 to 15 times higher than that of 400 HB steel, even at high temperatures.



BASE	DEPOSITION										
Thicknesses	2	3	4	5	6	7	8	10	12		
2	■										
3	■	■									
4	■	■	■								
5	■	■	■	■							
6	■	■	■	■	■						
7	■	■	■	■	■	■					
8	■	■	■	■	■	■	■				
9	■	■	■	■	■	■	■	■			
10	■	■	■	■	■	■	■	■	■		
12	■	■	■	■	■	■	■	■	■	■	

DIMENSIONS

BASE PLATE	DEPOSITION AREA
2000 X 1000 mm	1900 X 850 mm
2000 X 1500 mm	1900 X 1350 mm
2000 X 1500 mm	1900 X 1400 mm
2500 X 1250 mm	2400 X 1150 mm
3000 X 1500 mm	2900 X 1350 mm
3000 X 1500 mm	2900 X 1400 mm
3000 X 2000 mm	2900 X 1800 mm

TECHNICAL DATA

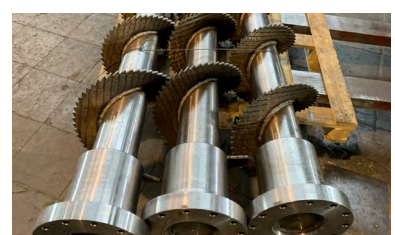
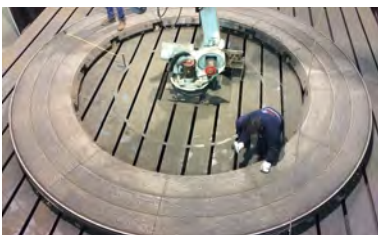
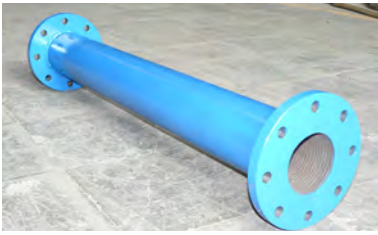
PRODUCTS	HARDNESS		TEMP.	ALLOY	APPLICATION
	VICKERS	HRC			
CROMDES 70® Chromium carbide	700-800 Chrome Carbide 1200-1600 HV _{0,4}	* 60-64	** 500 °C	*** Cr-Mn-Ni	Crusher rolls Coal crusher cones * Impact and sliding
CROMDES 80® Chromium niobium carbides	746-832 Chrome and Niobium carbide 1900-2400 HV _{0,4}	* 62-65	** 650 °C	*** Cr-Si-Nb-B	Fan blades Excavator scoops * High abrasion
CROMDES 85® Chromium, molybdenum and niobium	772-832 Chrome, Molybdenum and Niobium 1900-2400 HV _{0,4}	* 63-65	** 800 °C	*** Cr-Mo-Nb-V-W	Slag conveyer screws Hot sinterbreaker * High abrasion and temperature
CROMDES 95® Chromium carbide, niobium, vanadium and boron	832-950 *** Chrome-Niobium-Vanadium and Boron 1900-2400 HV _{0,4}	* 65-69	** 500 °C	*** Cr-Nb-V-B	Fan blades Mining industry * Very high abrasion
TUNGDES 230® Tungsten carbide and boron	577-697 Tungsten carbide and Boron 2300 HV _{0,4}	* 54-60	** 600 °C	*** 60% WSC-Ni	TMB front, Hammer mill and Dregging machines * Highest abrasion resistance and impact

* Hardness depending on the number of layers ** Consult in each case *** Nickel-free chemical composition

CROMDES 70/80/85/95[®] TUNGDES 230[®]



Lining and pipe





Lining and pipe

BASALDES 72®



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.

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

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

Hexagonal TILES

<p>ø 200 inscribed Thickness 30 mm</p>

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

TECHNICAL DATA

HARDNESS (average)	DENSITY gr/cm ³	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 ₂ O ₂	Zr O ₂	Si O ₂	Fe ₂ O ₂ & Fe O	Ca O	Mg O	K ₂ O	Na ₂ O	Ti O ₂
Ca O	--	43-55%	9-14%	10-12%	8-12%	3-5%	3-5%	2-3%

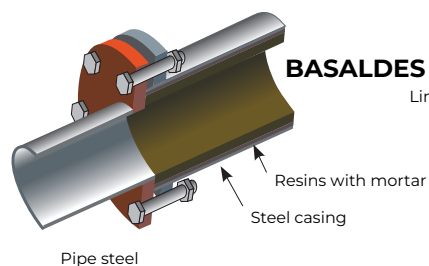
PIPES

INTERNAL DIAMETERS	From 25mm to 610mm
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POSSIBLE ANGLES

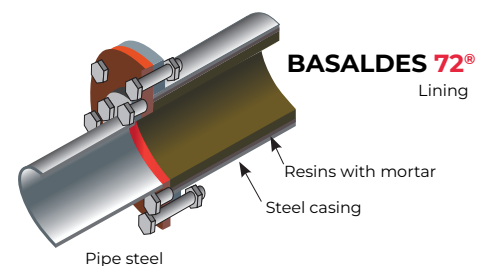
Radius	750	1000	1500	2000	2500	3000
90°	90°	60°	45°	45°	30°	
Angles	60°	60°	45°	30°	30°	15°
	45°	45°	30°	15°	15°	--

FLANGES TO ADAPT THE INSTALLATION



Conversion flange

Interior blind machined flange. Diameter to fit existing flange.



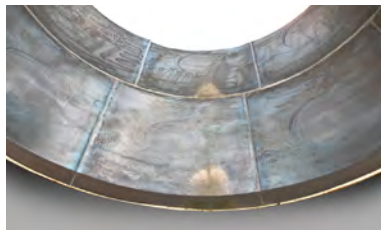
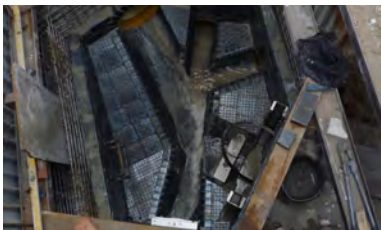
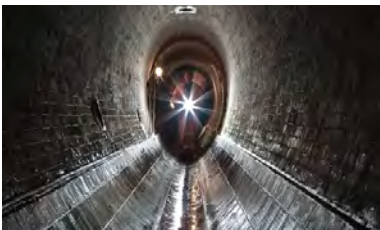
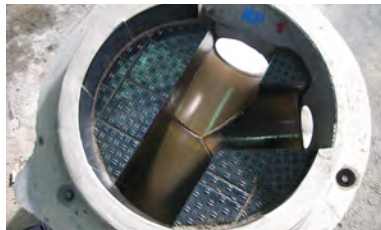
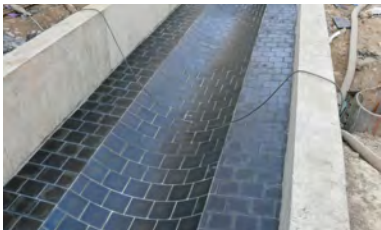
Intermediate Flange

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

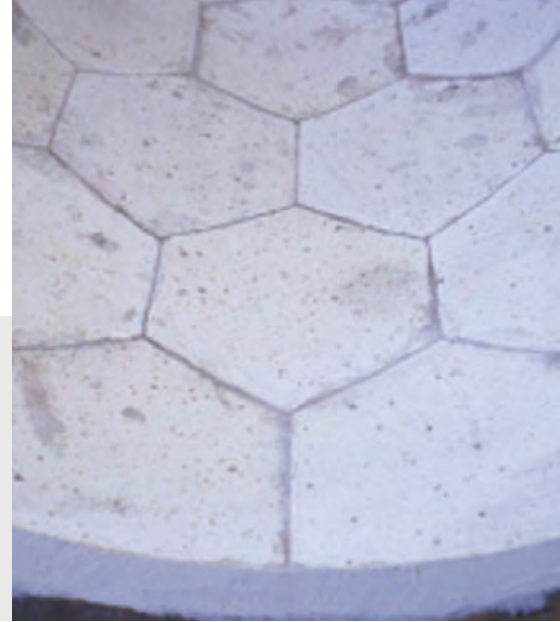
BASALDES 72®



Lining and pipe




ZIRDES 200®



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.

Standard TILES		TILES with holes		Hexagonal TILES
DIMENSIONS (mm)	THICKNESS (mm)	DIMENSIONS (mm)	THICKNESS (mm)	
200 x 100 200 x 200 250 x 250 300 x 300	22, 30, 40, 50	200 x 100 200 x 200 250 x 250	30	 <p>ø 200 inscribed Thickness 30 mm</p>

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.

TECHNICAL DATA

HARDNESS (average)	DENSITY gr/cm ³	ABRASION RESISTANCE	THERMAL CONDUCTIVITY	THERMAL EXPANSION	WORKING TEMPERATURE
2000 Vickers	3,5	0.75-1 cm ³ / 50 cm ² (max.) (DIN 52108)	4.4 W/m.K	8 x 10 ⁻⁶ K ⁻¹ 0-400 °C	Normal: 1400 °C (max.)

ANALYSIS (average)

Al ₂ O ₃	Zr O ₂	SI O ₂
50%	32%	16%

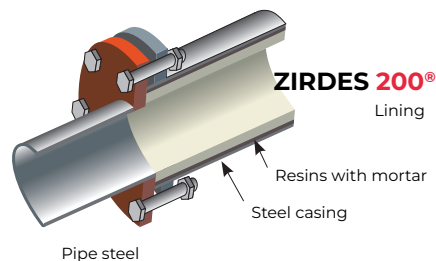
PIPES

INTERNAL DIAMETERS	From 25mm to 610mm
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POSSIBLE ANGLES

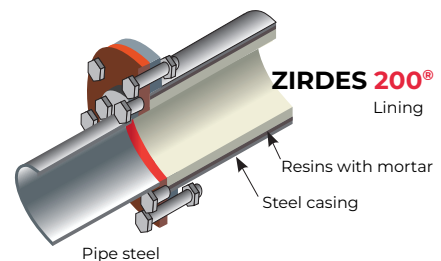
Radius	750	1000	1500	2000	2500	3000
90°	90°	60°	45°	45°	30°	
Angle	60°	60°	45°	30°	30°	15°
	45°	45°	30°	15°	15°	--

FLANGES TO ADAPT THE INSTALLATION



Conversion flange

Interior blind machined flange. Diameter to fit existing flange.



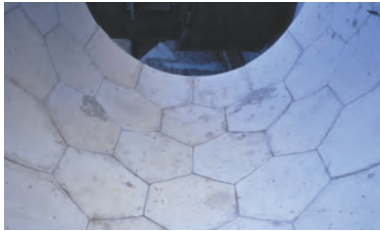
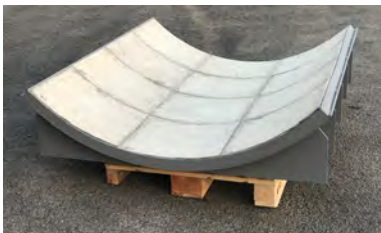
Intermediate Flange

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

ZIRDES 200®



Lining and pipe



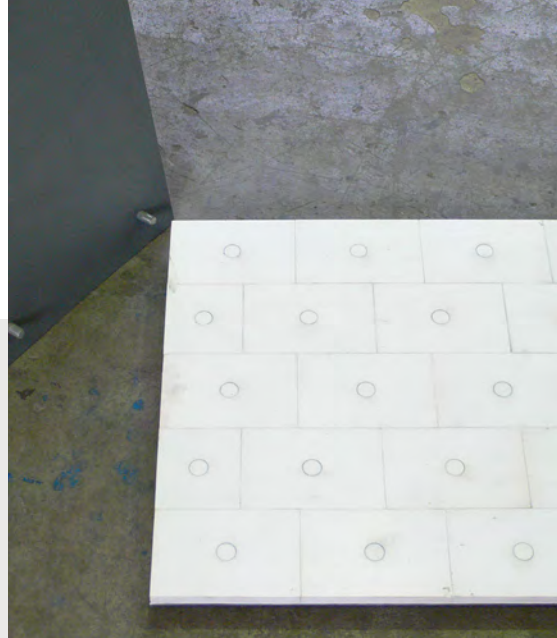


Lining and pipe

ALUDES 150®

92% SINTERED ALUMINA

Product with high resistance to abrasion, it can be used for: Grinding balls, tiles with thicknesses from 1.5 mm upwards. Shaped parts and pipes. Sintered alumina is a versatile, long-lasting product, which can be applied with adhesives or welding, depending on the working conditions.



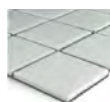
TECHNICAL DATA

Composition	Density g/cm ³	Hardness average	Thermal conductivity	Thermal expansion	Working temperature
Al ₂ O ₃ 92%	3.65	1500 Vickers	21 W/m.K	8.2x10.8K1 20 a 600°C	1000°C maximum

TYPES

SQUARE TILES - rubber base

PANELS: 500X500 MM

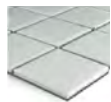


RUBBER BASE - 4 mm
Square tiles
20x20 mm

Thicknesses TG CERAMIC 2, 4, 6, 10 and 12 mm

SQUARE TILES - paper base

PANELS: 500X500 MM



Square tiles
20x20 mm

Thicknesses TG CERAMIC 2, 4, 6, 10 and 12 mm

HEXAGONAL TILES - paper base

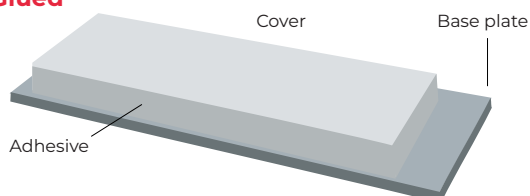
PANELS: 500X500 MM



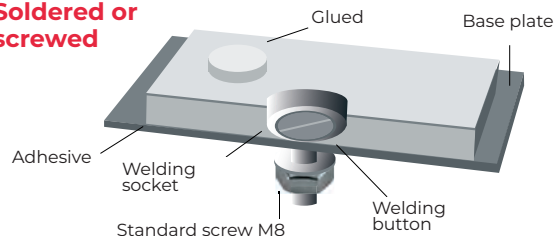
Hexagonal Tiles
ø 20 circumference

Thicknesses TG CERAMIC 2, 4, 6, 10 and 12 mm

Glued



Soldered or screwed

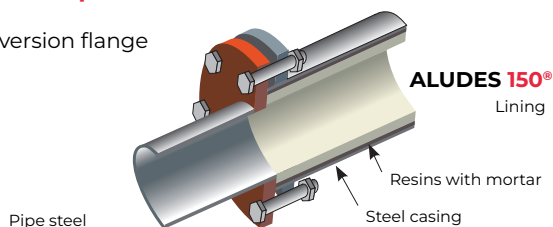


Thickness	STANDARD PLAIN TILES size mm						
6 mm	100x25	100x50	100x75	100x100	50x251	50x501	50x100
13 mm	100x25	100x50	100x75	100x100	50x251	50x501	50x100
25 mm	100x25	100x50	100x75	100x100	50x251	50x501	50x100
50 mm		100x50	100x75	100x100	50x251	50x501	50x100

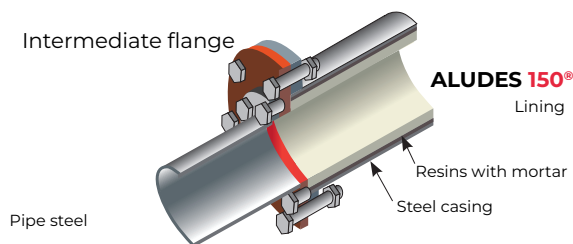
Thickness	TILES WITH HOLE size mm			
13 mm	100x50	100x75	150x50	150x100
25 mm	100x50	100x75	150x50	150x100
50 mm	100x50	100x75	150x50	150x100

PIPES and possible curvature

Conversion flange



Intermediate flange



PIPES

INTERNAL DIAMETRES	From 40 to 250mm
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*Diameters from 300 with tile

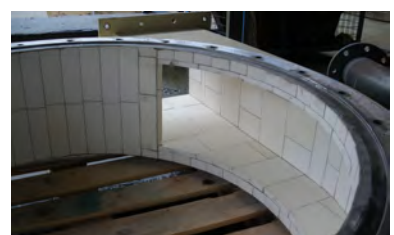
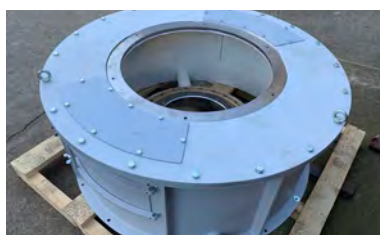
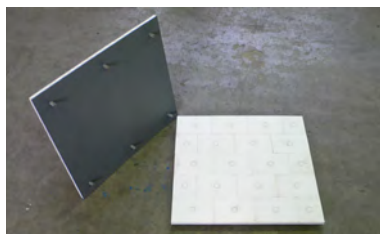
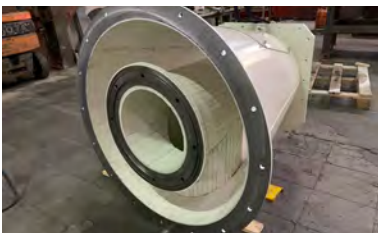
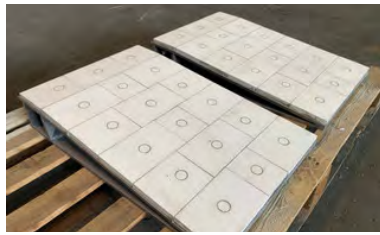
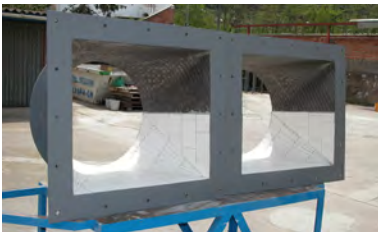
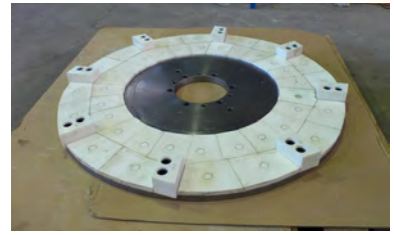
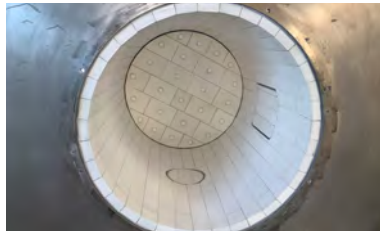
POSSIBLE ANGLES

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°	--

ALUDES 150®



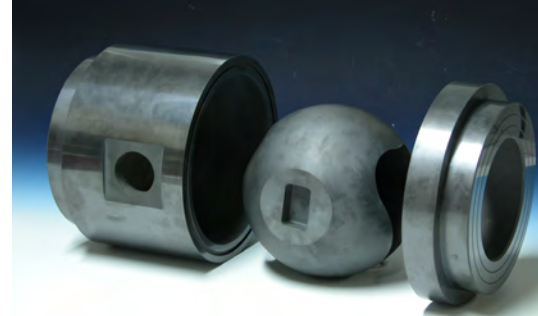
Lining and pipe





Lining and pipe

CARBUDES 230®



SINTERED SILICON CARBIDE

Key properties include hardness up to 2300 Vickers, resistance to chemical attack and high resistance to frictional wear.

The new generation of ceramics, sintered silicon carbide is the optimal choice for excellence.



TECHNICAL DATA

HARDNESS average	Density g/cm ³	Thermal Conductivity	Thermal expansion	Working temperature
2300 Vickers	3.15	115 W/m.K (20 a 600°C)	4.2x10 ⁻⁶ K ⁻¹ (20 a 600°C)	1400°C maximum

FORMS OF SUPPLY

Custom-made parts, pipes, impellers, ducts, mechanical seals, diffusers, hydrocyclones, etc.

CHEMICAL RESISTANCE

Hydrochloric Acid HCl (conc.36%)		Zinc chloride ZCl (conc.60%)		Nitric Acid HNO ₃ (conc.65%)		Ammonium Nitrate HCl (conc.50%)		Sulphuric Acid H ₂ SO ₄ (conc.50%)		Sulphuric Acid H ₂ SO ₄ (conc.98%)		Phosphoric Acid H ₃ PO ₄ (conc.85%)		Hydrofluoric Acid HF (conc.40%)		Sodium hydroxide NaOH (conc.30%)		Potassium hydroxide KOH (conc.20%)		Sodium chloride NaCl (cold saturated solution)		Potassium Chloride KCl (cold saturated solution)	
CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES		CARBUDES	
20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
+	+	+	+	+	+	+	+	+	+	+	+	+	+	(+)	+	+	+	(+)	+	+	+	+	+

+ No corrosion

(+) Possible corrosion

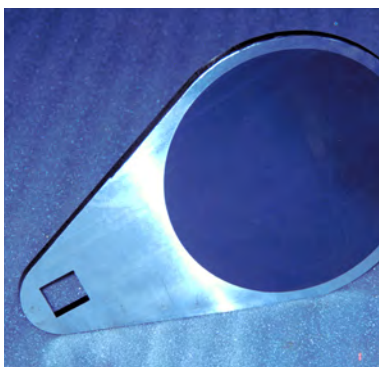
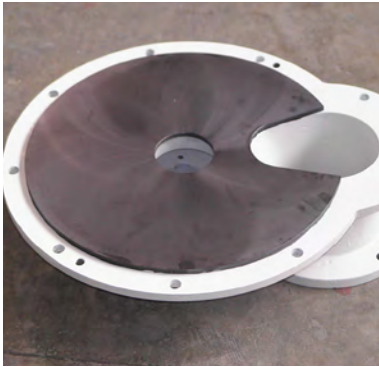
○ Corrosion appears



CARBUDES 230®



Lining and pipe





Pipe

TUBOFLEX 150®



FLEXIBLE PIPING

Sintered Alumina lined flexible hoses — ALUDES 150 — are ideal for highly aggressive usage where conventional rubber hose connections, expansion joints or bellows require frequent replacement. Ceramic lined hoses can also be used to isolate mechanical vibration or to connect non-stationary equipment. They are widely used in cement plants, foundries, coal dust and slurry supply systems and for corrosion resistance. They are also used for sand suction, harbor and river dredging, concrete pump vehicles, etc.

TECHNICAL DATA

1. Size range DN25 to DN600 custom lengths up to 20 m.
2. Maximum operating pressure 10 bar.
3. Maximum operating temperature 120 °C.

CHARACTERISTICS

1. Impact resistant: virtually impossible to destroy the ceramic segments.
2. Flexible: the minimum bending radius is approximately 10/12 times the inner diameter of the hose.
3. Corrosion resistant.
4. Wide variety of end connections.
5. Continuous length up to 10/20 m.

WORKING CONDITIONS

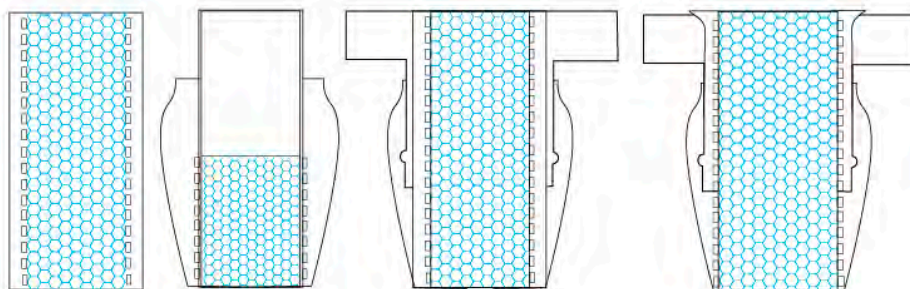
Tailor-made parts.

Tiles, hammers, brushes.

For applications in mills, micronisers, separators, etc.



Reduce the **NOISE**



TUBOFLEX 150®



Pipe





Lining and pipe

ALUPLAST 93 R/M®

SINTERED ALUMINA ADHESIVE PASTE

Adhesive paste containing 70% ALUDES 150 particles. The best alternative for non-standard forms of equipment lining or those which require repair.



MIX



Adhesive paste



Hardening agent



8h after application

USAGE

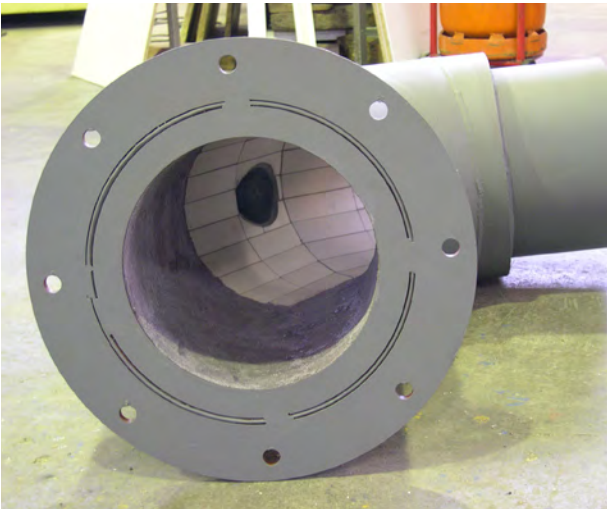
ALUPLAST 93R®	A+B 10 kg	Thickness	5 mm
		Surface	1 m ² approximately
ALUPLAST 93M®	A+B 25 kg	Thickness	15 mm
		Surface	1 m ² approximately



ALUPLAST 93 R/M®

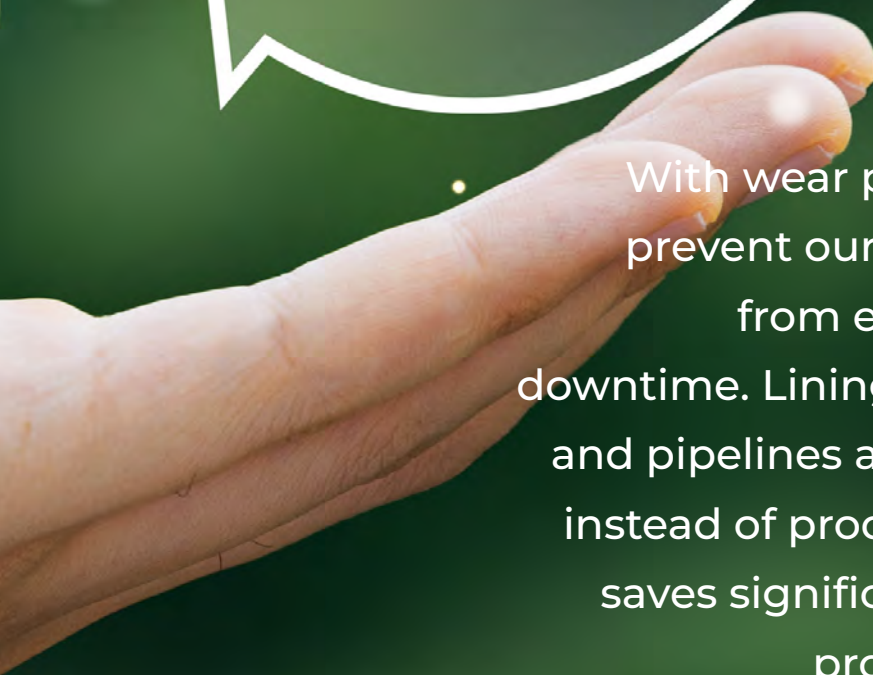


Lining and pipe





Tecnodesgast has been helping its clients operate sustainably for over 40 years.



With wear protection solutions, we prevent our customers' production from experiencing premature downtime. Lining and protecting plants and pipelines allow them to be reused instead of producing them anew. This saves significant CO2 emissions and protects the environment.

TECNODESGAST®
Anti-wear technology

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