



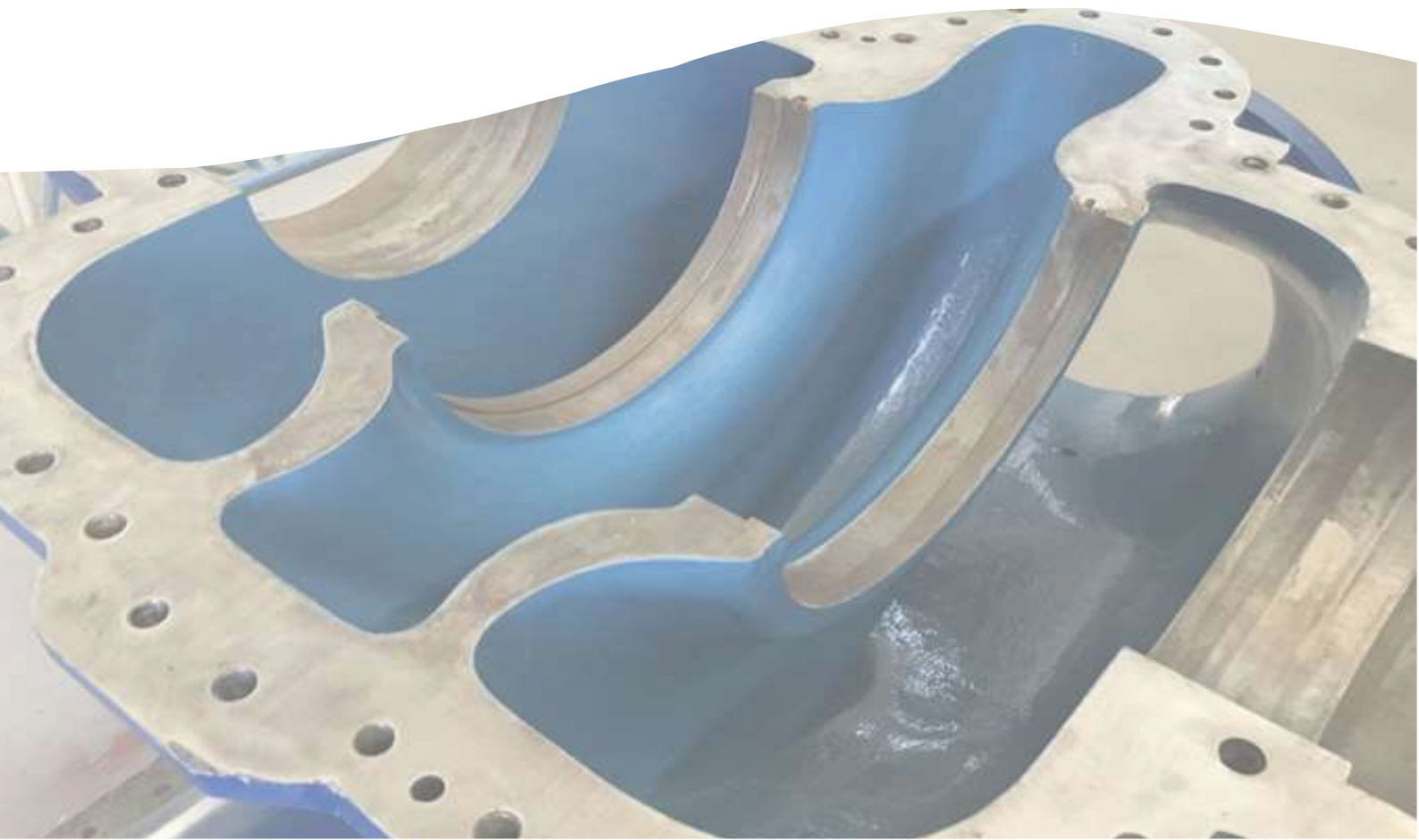
resimac Ltd. 

Repair

Protect

Upgrade

Fluid Abrasion and Wear



Ceramic Repair Products - Product Selector Guide

		201	202	203	205	206	209
Product Characteristics	Epoxy	☒	☒	☒	☒	☒	
	Polyurethane						☒
	Solvent Free	☒	☒	☒	☒	☒	☒
	Solvent Based						
	Paste Grade	☒					
	Fluid Grade		☒	☒	☒	☒	☒
	No Shrinkage	☒	☒	☒	☒	☒	☒
Typical WFT	<500micron		☒	☒	☒	☒	☒
	Up to 25mm	☒					
Surface Preparation	Abrasive Blast SA2.5	☒	☒	☒	☒	☒	☒
Temperature Resistance	Dry 120°C						☒
	Dry 200°C	☒	☒	☒			
	Dry 240°C				☒	☒	
	Immersed 60°C	☒					
	Immersed 70°C		☒	☒			☒
	Immersed 110°C					☒	
	Immersed 130°C				☒		
characteristics	Acid Resistant					☒	
	Bonding metal to metal	☒					
	Bureau Veritas approved	☒	☒	☒	☒		
	Casting						☒
	Crack Filling	☒					
	Flexible						☒
	High impact protection						☒
	High Temperature				☒	☒	
	High Particulate fluids	☒	☒				☒
	Improved Fluid Flow			☒			
	Low to medium particulate fluid			☒	☒	☒	
	Patch Repair	☒					
	Rebuild Surfaces	☒					

Ceramic Repair Products - Typical Applications

	201	202	203	205	206	209
Bow thruster tunnel	☒	☒				
Centrifuge	☒	☒	☒			
Chemical Box	☒	☒		☒	☒	
Chemical Drain	☒	☒		☒	☒	
Chutes						☒
Cyclone housing	☒	☒				
Digester	☒	☒		☒	☒	
Evaporators – rebuild	☒	☒		☒	☒	
Fan housing	☒	☒		☒	☒	☒
Fan Blades	☒	☒				☒
Fermentation Tank	☒	☒				
Filters	☒	☒		☒	☒	☒
Gas Holders	☒	☒			☒	
Gas Vents	☒	☒			☒	
Heat exchanger tube sheets	☒	☒	☒	☒	☒	
Heat exchanger end covers	☒	☒	☒	☒	☒	
Hoppers						☒
Jet tubes	☒		☒			
Impeller	☒	☒	☒	☒	☒	☒
Pipe spools		☒		☒	☒	☒
Pipe internals	☒	☒		☒	☒	☒
Process vessel	☒	☒		☒	☒	
Pump— sea water, fluids, effluent	☒	☒	☒			☒
Reactor Vessel	☒			☒	☒	
Rudder	☒		☒			
Screw– Sea water, fluids, effluent	☒	☒				☒
Scrubber unit				☒	☒	
Tank lining/Rebuild	☒	☒		☒	☒	
Turbine blades / housing	☒	☒				☒
Valves	☒	☒		☒	☒	☒
Water Box	☒	☒		☒	☒	

Ceramic Repair Products - Product Specifications

	201	202	203	205	206	209
Compressive strength Tested to ASTM D 695	1075kg/cm ² (15,300psi)	960kg/cm ² (13,650psi)	735kg/cm ² (10,450psi)	1046kg/cm ² (14,880psi)	1046kg/cm ² (14,880psi)	476kg/cm ² (6750psi)
Corrosion Resistance Tested to ASTM B117	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours
Flexural Strength Tested to ASTM D790	703kg/cm ² (10,000psi)	635kg/cm ² (9,000psi)	570kg/cm ² (8100psi)	614kg/cm ² (8710psi)	614kg/cm ² (8710psi)	614kg/cm ² (8710psi)
Hardness Rockwell R to ASTM D785	100	100	85	100	100	80
Sag Resistance	25mm	400 microns	400 mi- crons	1000 microns	1000 microns	400 microns
Tensile Shear Adhesion Tested to ASTM D1002	206kg/cm ² (2920psi)	202kg/cm ² (2875psi)	187kg/cm ² (2650psi)	245kg/cm ² (3480psi)	245kg/cm ² (3480psi)	200kg/cm ² (2850psi)
Abrasion Resistance Taber abrasion CS17 1000 cycles/ 1kg	20mm ³	20mm ³	24mm ³	28mm ³	28mm ³	38mm ³
Volume Capacity cc per kg	406	446	657	459	425	1000
Base density gm per cm ³	2.70	2.65	1.67	2.48	2.55	1.31
Activator density gm per cm ³	1.70	1.00	1.05	0.99	0.97	1.22
Mixed product density gm per cm ³	2.46	2.24	1.52	2.46	2.35	1.29
Dry heat resistance (°C)	200	200	200	240	240	120
Intermittent wet heat resistance (°C)	120	120	120	160	160	90
Immersion temperature resistance (°C)	60	70	70	130	110	70
Mixing ratio by volume	3:1	3:1	3:1	4:1	7:1	3:1
Mixing ratio by weight	5:1	8:1	5:1	10:1	18:1	3:1

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