



resimac Ltd. 

Repair

Protect

Upgrade

Extreme Abrasion and Wear



Extreme Wear & Abrasion - Product Selector Guide

		204	204 HD	204 XHT	204 UHD
Product Characteristics	Epoxy	☑	☑	☑	☑
	Polyurethane				
	Solvent Free	☑	☑	☑	☑
	Solvent Based				
	Paste Grade	☑	☑	☑	☑
	No Shrinkage	☑	☑	☑	☑
Curing (20°C/ 68°F)	Pot Life 30mins		☑	☑	
	Pot Life 50 mins	☑			☑
	Overcoat Window 4-8hrs	☑	☑		
	Overcoat Window 4-12hrs			☑	
	Overcoat Window 6-12hrs				☑
	Full Cure 72hrs			☑	
	Full Cure 96hrs	☑	☑		☑
Typical WFT	2-4mm	☑			
	4-6mm		☑	☑	
	6-10mm				☑
Surface Preparation	Abrasive Blast SA2.5	☑	☑	☑	☑
Temperature Resistance	Dry 120°C	☑			☑
	Dry 150°C		☑		
	Dry 240°C			☑	
	Immersed 50°C	☑			
	Immersed 60°C		☑		☑
	Immersed 130°C			☑	
Characteristics	Casting		☑		☑
	Crack Filling	☑	☑	☑	☑
	Flexible				☑
	High impact protection		☑	☑	☑
	High Temperature			☑	
	Patch Repair	☑	☑	☑	☑
	Rebuild Surfaces	☑	☑	☑	☑

Extreme Wear & Abrasion - Application Selector Guide

		204	204 HD	204 XHT	204 UHD
	Impact		☑	☑	☑
	Sliding abrasion	☑	☑	☑	☑
Dry	Powder/ Silt/ Clay	☑			
	Fine to coarse sand		☑	☑	
	Gravel				☑
	Aggregate 3mm(1/8") +				☑
Wet	Tailings <1000 micron particle size		☑	☑	
	Tailings >1000 micron particle size				☑
	Slurry <1000 micron particle size		☑	☑	
	Slurry >1000 micron particle size				☑
	Filter Cake <1000 micron particle size		☑	☑	
	Filter Cake >1000 micron particle size				☑
Equipment	Blow lines	☑	☑	☑	
	Cyclones		☑	☑	
	Chimney		☑	☑	
	Chutes & Hoppers		☑	☑	☑
	Duct work	☑	☑	☑	
	Discharge plates				☑
	Deflector hoods				☑
	Dryers		☑	☑	
	Exhaust fans			☑	
	Fans		☑	☑	
	Grinders		☑	☑	☑
	Mills		☑	☑	☑
	Screws		☑	☑	☑
	Separators		☑	☑	☑
	Shakers		☑	☑	☑
	Storage tank & Silos (internal base)			☑	☑
	Pipes/ pipe elbows		☑	☑	☑
	Pumps & Valves	☑	☑	☑	
	Pulverisers				☑
	Wear Plates		☑	☑	☑

Extreme Wear & Abrasion - - Product Specifications

	204	204 HD	204 XHT	204 UHD
Compressive strength Tested to ASTM D 695	990kg/ cm ² (13,985psi)	1046kg/ cm ² (14,880psi)	1046kg/ cm ² (14,880psi)	790kg/ cm ² (11,150psi)
Corrosion Resistance Tested to ASTM B117	1000 hours	1000 hours	1000 hours	1000 hours
Flexural Strength Tested to ASTM D790	420kg/cm ² (6000psi)	475kg/cm ² (6710psi)	475kg/cm ² (6710psi)	415kg/cm ² (5860psi)
Hardness Shore D to ASTM D785	89	89	89	75
Slump Resistance	15mm	10mm	10mm	20mm
Tensile Shear Adhesion Tested to ASTM D1002	148kg/cm ² (2100psi)	272kg/cm ² (3840psi)	272kg/cm ² (3840psi)	236kg/cm ² (3330psi)
Abrasion Resistance Taber abrasion CS17 1000 cycles/ 1kg	66mm ³	42mm ³	42mm ³	29mm ³
Volume Capacity cc per kg	584	440	448	420
Base density gm per cm ³	2.10	2.28	2.21	2.41
Activator density gm per cm ³	1.40	2.26	2.26	2.29
Mixed product density gm per cm ³	1.96	2.27	2.23	2.38
Dry heat resistance (□C)	120	150	240	120
Intermittent wet heat resistance (□C)	90	120	150	100
Immersion temperature re- sistance (□C)	0	60	130	60
Mixing ratio by volume	3:1	2:1	2:1	5:2
Mixing ratio by weight	4:1	2:1	2:1	2.64:1

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