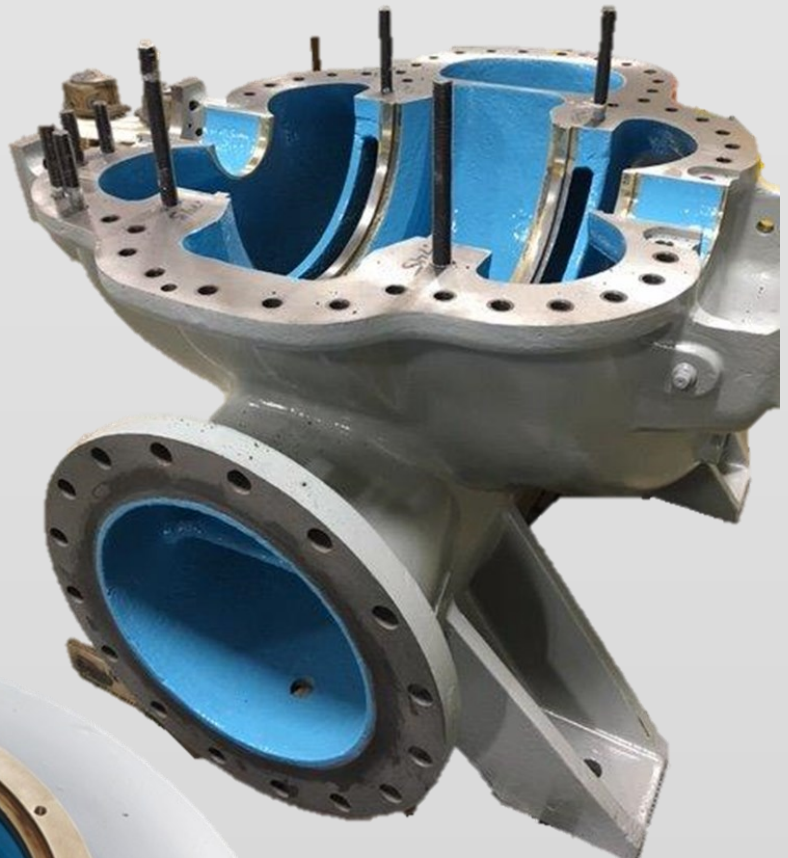


QUICK REFERENCE GUIDE

Metal & Ceramic Repair Paste and Fluid Grade Materials



Resimac Engineered Materials

for the Rebuilding and Protection of Equipment

101 Metal Repair Paste

Machinable Paste Grade for Rebuilding/Filling

102 Metal Repair Fluid

Machinable Fluid Grade for Rebuilding/Filling

103 Metal Repair Stick

Emergency Repair Stick

104 Metal Repair Fluid XF

Fluid grade material for oily metal surfaces

105 Aquastick

Emergency Repair Stick for wet metal surfaces

106 Metal Repair Paste XF

Paste grade material for wet metal surfaces

107 Metal Repair Paste XL

Machinable Paste Grade with Extended Working Life



Resimac materials are manufactured under an ISO 9000 Registered Quality Management System



Resimac materials carry Type Approval certificate for the Classification of Steel Ships (Certificate No. 55268/A0 BV)

Resimac Ceramic Repair Materials

for the Rebuilding and Protection of Equipment

201 Ceramic Repair Paste

Ceramic filled Paste Grade for Rebuilding/Filling

202 Ceramic Repair Fluid

Ceramic filled Fluid Grade coating for abrasive fluid

203 Super Flow

Ceramic filled Fluid Grade coating for fluid flow

204 Heavy Duty Paste

Paste grade material with smallest ceramic bead for finest abrasive exposure

204 HD

Paste grade material with medium ceramic bead for larger abrasive exposure

204 UHD

Paste grade material with the largest ceramic bead for large aggregate and impact exposure

204 XHT

Paste grade material for extreme wear resistance and high temperature applications

205 HT Fluid

Ceramic filled coating for high temperature applications

206 HTA Fluid

Ceramic filled coating for high temperature & wear applications

208 Ceramic UW

Ceramic filled coating for applications in the Splash Zone

	P/F	Size (KG)	Color	Mix Ratio by Volume	Mix Ratio by Weight	Working Life @ 20°C / 68°F	Initial Cure @ 20°C / 68°F	Full Chemical Cure @ 20°C / 68°F
101 Metal Repair Paste	Paste	0.5,1,3,30	Grey	3:1	5:1	30min	2 hours	3 days
102 Metal Repair Fluid	Fluid	1	Grey	3:1	8:1	30min	2 hours	3 days
104 Metal Repair Fluid XF	Fluid	0.2,0.8	Grey	1:1	1:1	5min	60min	4 hours
106 Metal Repair Paste XF	Paste	0.2,0.5	Grey	1:1	1:1	5min	45min	4 hours
107 Metal Repair Paste XL	Paste	4	Grey	3:2	1.67:1	60min	4 hours	6 days
201 Ceramic Repair Paste	Paste	1,3	Grey	3:1	5:1	30min	2 hours	3 days
202 Ceramic Repair Fluid	Fluid	1,3	Various	3:1	8:1	25min	2 hours	6 hours
203 SuperFlow	Fluid	1,3	Various	3:1	5:1	20min	2 hours	2 days
204 Heavy Duty Paste	Paste	1.5,5	Grey, Red	3:1	4:1	50min	4 hours	4 days
204 HD Paste	Paste	1.5,5	Grey	2:1	2:1	30min	4 hours	4 days
204 UHD Paste	Paste	5	Grey	5:2	2.64:1	50min	6 hours	4 days
204 XHT Paste	Paste	5	Grey	2:1	2:1	30min	4 hours	3 days
205 HT Fluid	Fluid	1,3	L&D Grey	4:1	10:1	35min	4 hours	3 days
206 HTA Fluid	Fluid	1,3	L&D Grey	7:1	18:1	25min	16 hours	3 days
208 Ceramic UW	Fluid	4L	Grey, Black	4:1	6.75:1	45min	6 hours	3 days

Metal & Ceramic Repair Products - Product Specifications

	101	102	103	104	105	106	107
Compressive Strength Tested ASTM D695	1075kg/cm ² (15,300psi)	1075kg/cm ² (15,300psi)	843kg/cm ² (12,000psi)	185kg/cm ² (2,630psi)	843kg/cm ² (12,000psi)	185kg/cm ² (2,630psi)	839kg/cm ² (11,900psi)
Corrosion Resistance Tested to ASTM B117	5000 hours	5000 hours	n/a	5000 hours	n/a	5000 hours	5000 hours
Flexural Strength Tested to ASTM D790	703kg/cm ² (10,000psi)	703kg/cm ² (10,000psi)	455kg/cm ² (6,470psi)	240kg/cm ² (3,400psi)	455kg/cm ² (6,470psi)	240kg/cm ² (3,400psi)	585kg/cm ² (8,300psi)
Hardness Shore D to ASTM D785	100	100	92	85	92	85	100
Slump Resistance	25mm (1")	3mm (1/8")	25mm (1")	3mm (1/8")	25mm (1")	20mm (3/4")	20mm (3/4")
Tensile Shear Adhesion Tested to ASTM D1002	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)	185kg/cm ² (2,630psi)
Volume Capacity cc per KG / cu inches per KG	406 / 24.8	440 / 26.85	444 / 27.1	555 / 33.9	444 / 27.1	555 / 33.9	388 / 23.7
Based Density gm per cm ³	2.70	2.70	n/a	1.80	n/a	1.80	2.70
Activator Density gm per cm ³	1.70	1.00	n/a	1.80	n/a	1.80	2.40
Mixed Product Density gm per cm ³	2.46	2.50	n/a	1.80	n/a	1.80	2.58
Intermittent Wet Heat Resistance (°C/°F)	120°/248°	120°/248°	120°/248°	80°/ 176°	120°/248°	80°/176°	90°/194°
Immersion Temperature Resistance (°C/°F)	70°/158°	70°/158°	60°/140°	60°/140°	60°/140°	60°/140°	60°/140°

	201	202	203	204a	204b	204c	204d	205	206
Compressive Strength Tested ASTM D695	1075kg/cm ² (15,300psi)	960kg/cm ² (13,650psi)	735kg/cm ² (10,450psi)	990kg/cm ² (13,985psi)	1046kg/cm ² (14,880psi)	790kg/cm ² (11,150psi)	1046kg/cm ² (14,880psi)	1046kg/cm ² (14,880psi)	1046kg/cm ² (14,880psi)
Corrosion Resistance Tested to ASTM B117	5000 hours	5000 hours	5000 hours	1000 hours	1000 hours	1000 hours	1000 hours	5000 hours	5000 hours
Flexural Strength Tested to ASTM D790	703kg/cm ² (10,000psi)	635kg/cm ² (9,000psi)	570kg/cm ² (8,100psi)	420kg/cm ² (6,000psi)	475kg/cm ² (6,710psi)	415kg/cm ² (5,860psi)	475kg/cm ² (6,710psi)	614kg/cm ² (8,710psi)	614kg/cm ² (8,710psi)
Hardness Shore D to ASTM D785	100	100	85	89	89	n/a	89	87 @ 100°C	87 @ 100°C
Slump Resistance	25mm (1")	400µm (16 mil)	400µm (16 mil)	15mm (1/2")	10mm (3/8")	20mm (3/4")	10mm (3/8")	1000µm (39 mil)	1000µm (39 mil)
Tensile Shear Adhesion Tested to ASTM D1002	206kg/cm ² (3,480psi)	202kg/cm ² (2,875psi)	187kg/cm ² (2,650psi)	148kg/cm ² (2,100psi)	272kg/cm ² (3,840psi)	236kg/cm ² (3,330psi)	272kg/cm ² (3,840psi)	245kg/cm ² (3,480psi)	245kg/cm ² (3,480psi)
Volume Capacity cc per KG / cu inches per KG	406 / 24.8	446 / 27.2	657 / 40.1	584 / 35.6	440 / 26.9	420 / 25.6	448 / 27.3	459 / 28.0	425 / 25.9
Based Density gm per cm ³	2.70	2.65	1.67	2.10	2.28	2.41	2.21	2.48	2.55
Activator Density gm per cm ³	1.70	1.00	1.05	1.40	2.26	2.29	2.26	0.99	0.97
Mixed Product Density gm per cm ³	2.46	2.24	1.52	1.96	2.27	2.38	2.23	2.46	2.35
Dry Heat Resistance (°C/°F)	200°/392°	200°/392°	200°/392°	120°/ 248°	150°/302°	120°/248°	240°/464°	240°/464°	240°/464°
Immersion Temperature Resistance (°C/°F)	60°/140°	70°/158°	70°/158°	50°/122°	60°/140°	60°/140°	130°/266°	130°/266°	110°/230°

(a) 204 Heavy Duty

(b) 204 HD

(c) 204 UHD

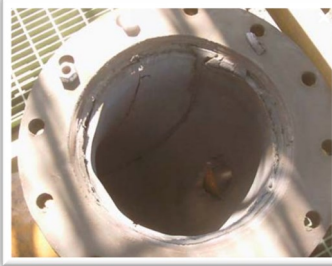
(d) 204 XHT

Repair

Protect

Upgrade

www.resimacamericas.com



**Damaged Spool Rebuilt with Resimac 204 Heavy Duty Paste
and Protected with Resimac 202 Ceramic Repair Fluid**



**Worn Shaft Surface Rebuilt with Resimac 101 Metal Repair Paste
and then Machined on a Lathe**



**Damaged Turbine Cover Rebuilt with Resimac 204 Heavy Duty
and Protected with Resimac 202 Ceramic Repair Fluid**

**Worn Flange Face Rebuilt and Restored
with Resimac 101 Metal Repair Paste**



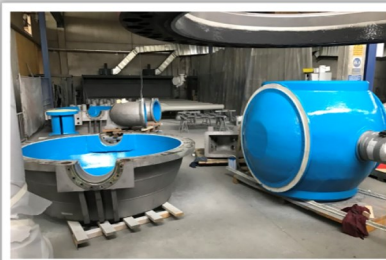
Oily Metal Flange Sealed with Resimac 104 Metal Repair Fluid

Split Case Pump Volute Repaired and Protected with Resimac 203 SuperFlow

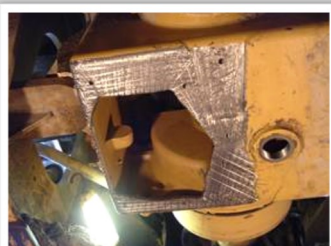


Several Pump Components Rebuilt and Protected with Resimac materials

Resimac 202 Ceramic Fluid adds Anti-Slip to this Drive Pulley



Cold Weld Plate bonded Repair with Resimac 101 Metal Repair Paste



Repair

Protect

Upgrade

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Repair

Protect

Upgrade

Metal Repair

Fluid Abrasion

Extreme Wear & Impact

Composite Pipe Wrapping

Rubber Repair

Underwater Protection

Chemical Protection

Corrosion Protection

Concrete Repair

Floor Coatings

High Temperature Protection

Liquid Insulation

Primers

Waterproofing

Wall Coatings

Resimac Limited

Unit B, Park Barn Estate

Station Road, Topcliffe

Thirsk, North Yorkshire

YO7 3SE

UNITED KINGDOM

Tel. +44 (0) 1845 577498

Email. info@resimac.co.uk

Web. www.resimacsolutions.com

Resimac Americas, Inc

7775 US-1 South, Unit E

Bunnell, Florida 32110

Tel. (386) 309-9912

WhatsApp. (904) 435-6789

Email. support@resimacamericas.com

Web. www.resimacamericas.com

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