resimac Ltd.

Repair Protect Upgrade

Metal Repair Products Testing and Product Characteristics

	101	102	104	106	107
Compressive strength *Tested to ASTM D 695*	1075kg/ cm² (15,300psi)	1075kg/ cm² (15,300psi)	185kg/ cm² (2630psi)	185kg/ cm² (2630psi)	839kg/ cm² (11,900psi)
Corrosion Resistance *Tested to ASTM B117*	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours
Flexural Strength *Tested to ASTM D790*	703kg/cm² (10,000psi)	703kg/cm² (10,000psi)	240kg/cm² (3400psi)	240kg/cm² (3400psi)	585kg/cm² (8300psi)
Hardness *Rockwell R to ASTM D785*	100	100	85	85	100
Slump Resistance	25mm	3mm	3mm	20mm	20mm
Tensile Shear Adhesion *Tested to ASTM D1002*	185kg/cm² (2630psi)	185kg/cm² (2630psi)	185kg/cm² (2630psi)	185kg/cm² (2630psi)	180kg/cm² (2550 psi)
Volume Capacity *cc per kg*	406	440	555	555	388
Base density *gm per cm³*	2.70	2.70	1.80	1.80	2.70
Activator density *gm per cm³*	1.70	1.00	1.80	1.80	2.40
Mixed product density *gm per cm³*	2.46	2.50	1.80	1.80	2.58
Dry heat resistance *(˚C)*	**200**	**200**	**130**	**130**	**180**
Intermittent wet heat resistance *(˚C)*	**120**	**120**	**80**	**80**	**90**
Immersion temperature resistance *(˚C)*	**70**	**70**	**60**	**60**	**60**
Mixing ratio by volume	**3:1**	**3:1**	**1:1**	**1:1**	**3:2**
Mixing ratio by weight	**5:1**	**8:1**	**1:1**	**1:1**	**3:2**

	10˚C			20˚C			30˚C			40˚C		
	Pot life	Machine	Hard dry	Pot life	Machine	Hard dry	Pot life	Machine	Hard dry	Pot life	Machine	Hard dry
101	60mins	4hrs	16hrs	30mins	2hrs	8hrs	15mins	1hrs	4hrs	7.5mins	30mins	2hrs
102	60mins	3hrs	16hrs	30mins	90mins	8hrs	15mins	45mins	4hrs	7.5mins	22.5mins	2hrs
104	10mins	60mins	4hrs	5mins	30mins	2hrs	2.5mins	15mins	1hrs	75secs	7.5mins	30mins
106	10mins	60mins	4hrs	5mins	30mins	2hrs	2.5mins	15mins	1hrs	75secs	7.5mins	30mins
107	2hrs	24hrs	36hrs	60mins	12hrs	18hrs	30mins	6hrs	9hrs	15mins	3hrs	4.5hrs

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