



Sigma Chile Ltda.



- IONet -
PN-EN ISO 9001:2009



APPLICATION FIELDS	Special	Super	Super SL	Super FE	Ceramic T	Ceramic F/SL	Ceramic FHT, FSC	Rapid E	Slide Slide F	Super AL, BR, ALF, MS	Epoxy SL	Protector A, D, E, YF Coating D1/D2 E1/E2 EHT	Protector B, BS, C, CK, CF	EY	Quartz	Elastomer 95, 85, 75, 60, 80TR	APPLICATION FIELDS
Metal rotors and pumps body	●	●	●		●	●	●										Flanges regeneration
Seats and journals for rolling bearings	●	●	●	●										●			Bridge bearings deposition
Cracked bodies (engines)	●	●	●	●													Cylinder liners of marine engines
Sealing of welds	●	●	●	●		●											Ball mills: armour plate pasting
Pipes and tanks leakage	●	●	●			●		●									Reconstruction of paper machine shafts
Heat exchangers: converter bottoms, heads, ports, baffles	●	●	●		●	●	●							●			Machines foundation
Valves, metal bolts					●	●	●					●		●			Concrete surfaces: foundations, tanks, sumps, floors
Pasting mortises and bolts	●	●	●												●		Tracks in sewage treatment plants
Casting defects		●	●	●						●				●	●		Reconstruction of seatings in concrete
Scratched pistons and hydraulic cylinders									●							●	Rubber rotors and pumps bodies
Slideways of lathes and milling machines									●							●	Rubber tanks and mixers
Marine screws, Kort nozzles, thrusters					●								●			●	Band conveyor
Rudder blades deposition		●	●			●										●	Rubber valves and bolts
Seats and journals for slide bearings									●							●	Rubber rolls and runners
Hulls of a ships, weirs		●	●		●								●			●	Chutes, charging hoppers
Materials bonding	●	●	●					●		●						●	Non-typical seals and rubber sealings
Protection against corrosion of metal and concrete tanks												●	●				Transport screws



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Product name chester	Product description	Colour	Density g/cm ³	Mix ratio		Package kg	Application time after mixing in 20°C/ 68°F min.	Curing time for treatment in 20°C/ 68°F h	Chemical resistance in 20°C/ 68°F days	Max working temp. °C	Diffraction DIN53462 °C	Impact strength ISO179 KJ/m ²	Shore'a hardness DIN53505 °ShAD	Strength			
				Base	Reactor									shearing ISO4587 MPa	compressive ISO604 MPa	bending ISO178 MPa	tensile ISO R1798 MPa
				volume	weight												
Metal Special	thixotropic, defects refilling and metal parts bonding in high temperatures	grey	2.0	3:1	5,5:1	1	55	9	7	220	103	6.7	88(D)	20.1	145	90	-
Metal Super	thixotropic, general-purpose, defects refilling and metal parts bonding	grey	2.1	2:1	3:1	0,25; 0,5; 1; 2; 5	35	5	7	210	90	5.6	88(D)	22.8	146	90	-
Metal Super SL	thixotropic, general-purpose, long bonding time	grey	2.1	2:1	3,1:1	0,5; 1; 2; 5	65	12	7	250	68/115*	5.4	88(D)	18.5	146	90	-
Metal Super FE	thixotropic, recommended for repairs with final machine cutting	grey	2.1	3:1	4,8:1	1	40	5	7	210	92	5.6	88(D)	20.0	146	90	-
Ceramic T	thixotropic, erosion and cavitation resistant	grey	2.0	2:1	2,9:1	1; 2; 5	35	-	7	210	88	5.4	88(D)	19.6	146	90	-
Ceramic F	fluid, erosion and cavitation resistant	grey blue	1.9	whole pack	9:1	0,5; 1; 3	35	-	7	200	76	5.6	87(D)	23.5	120	110	-
Ceramic FSL	fluid, erosion and cavitation resistant, long bonding time	grey blue	1.9	whole pack	9:1	0,5; 1; 3	60	-	7	200	76	5.6	87(D)	23.5	120	110	-
Ceramic FSC	fluid, abrasion and erosion resistant, for higher temperatures	grey	1.3	whole pack	10:1	1	60	-	7	200	102	6.0	87(D)	17.7	-	-	-
Ceramic FHT	fluid, erosion and cavitation resistant, for higher temperatures	dark grey	1.5	whole pack	9:1	1; 2; 5	80	-	7	220	125	5.8	87(D)	22.6	120	105	-
Rapid E	thixotropic, very short bonding time	grey	1.5	1:1	1,6:1	0,2; 5	5	-	1	140	-	7.2	85(D)	24.9	140	77	-
Slide	thixotropic, workable, very good sliding properties	grey	1.5	2:1	2:1	0,5; 1	30	6	7	200	92	5.8	88(D)	23.6	146	90	-
Slide F	fluid, very good sliding properties	grey	1.5	whole pack	9:1	0,25	25	6	7	200	110	5.5	87(D)	19.0	142	94	-
Metal Super ALF	fluid, defects refilling in aluminium alloys	aluminium	1.2	whole pack	3,7:1	0,5	35	4	7	200	67	5.4	86(D)	16.6	140	85	-
Metal Super AL	thixotropic, defects refilling in aluminium alloys	aluminium	1.3	2:1	2,5:1	0,4	20	6	7	200	68	5.6	87(D)	18.6	142	89	-
Metal Super BR	thixotropic, defects refilling in bronze	bronze	1.5	2:1	2,5:1	0,4	20	6	7	200	67	5.6	87(D)	17.0	142	89	-
Metal Super MS	thixotropic, defects refilling in brass	brass	1.4	2:1	2,5:1	0,4	20	6	7	200	67	5.6	87(D)	17.5	142	89	-
Metal Super Y	thixotropic, defects refilling and metal parts bonding, hardening under water	grey	2.0	1:1	1,5:1	0,25; 1	50	6	7	180	89	5.6	87(D)	18.1	130	92	-
Chester Epoxy SL	fluid, elements bonding	light bronze	1.2	1:1	1:1	1; 2	210	-	7	140	-	-	-	19.0	-	-	-
Surface Protector A	fluid, protection against corrosion for steel and concrete materials	black	1.2	whole pack	2:1	2,5	210	-	7	80	-	-	-	-	-	-	-
Surface Protector B	fluid, protection against abrasive wear, alumina fillers in the form of white beads	white	2.3	4:1	5:1	1; 3	40	-	7	120	-	-	93(D)	22.0	-	-	-
Surface Protector BS	fluid, protection against abrasive wear, alumina fillers in the form of white beads	white	2.2	4:1	5:1	1; 3	40	-	7	120	-	-	93(D)	22.0	-	-	-
Surface Protector C	thixotropic, protection against abrasive wear	bronze red	2.6	4:1	8,5:1	1; 5	35	-	7	150	-	-	87(D)	20.5	-	-	-
Surface Protector CK	thixotropic, protection against abrasive wear, with a fine-grained filling material	bronze red	2.7	4:1	8,5:1	1; 5	35	-	7	150	-	-	87(D)	20.5	-	-	-
Surface Protector CF	thixotropic, protection against abrasive wear	grey bronze	1.8	whole pack	7:1	1	50	-	7	150	-	7.0	89(D)	20.0	-	-	-
Surface Protector D	fluid, protection against corrosion for steel and concrete materials	white/grey/ green/blue	1.3	whole pack	4:1	2,5	55	-	7	100	-	-	-	22.1	-	-	-
Surface Protector DSL	fluid, protection against corrosion for steel and concrete materials, long bonding time	white/grey/ green/blue	1.3	whole pack	4:1	2,5	90	-	7	100	-	-	-	22.1	-	-	-
Surface Protector E	fluid, for steel and concrete materials, very high chemical resistance	light grey	1.3	whole pack	3:1	2,5	50	-	7	180	-	-	83(D)	17.0	-	-	-
Surface Protector YF	fluid, protection against corrosion for steel and concrete materials under water and in high humidity conditions, cures under water	grey	1.7	whole pack	2,8:1	3	50	-	7	180	-	-	80(D)	19.1	120	92	-
Chester Coating D1+D2	anticorrosive fluid, coating designed for airless application, protection against corrosion for steel and concrete surfaces	red grey	1.3	whole pack	5:1	1; 6; 21,5 6; 21,5	40 45	-	7	100	-	-	-	20.5	-	-	-
Chester Coating E1+E2	anticorrosive fluid, coating designed for airless application, designed to protect metal and concrete surfaces from aggressive chemicals at elevated temperatures	red grey	1,2 1,3	whole pack	5:1	6; 20 6; 20	40 45	-	7	150	-	-	-	18.0	-	-	-
Chester Coating EHT	epoxy-novolac fluid, designed for airless application, protects metal and concrete surfaces from aggressive chemicals at elevated temperatures	bronze red	1.2	whole pack	5:1	6; 21,5	60	-	7	170	-	-	-	20.0	-	-	-
Chester EVY	fluid, performing machine foundation leakers (assembly of bridge bearings)	black	1.4	whole pack	6:1	6	40	-	7	80	-	5.3	90(D)	17.0	125	90	-
Chester Quartz	thixotropic, reconstruction of concrete, stone and marble elements, sealing, repair of components high mechanical properties and chemical resistance	grey	1.2	whole pack	Base: Reactor: Aggregate: 2:1:22,8	15	45	-	7	150	-	2.7	-	13,3 with conditioner using	-	-	-
Elastomer 75T/85T/95T	thixotropic, designed to protect metal surfaces from wear and repair coatings and rubber components	dark grey	1.2	whole pack	0,1; 0,2	6	-	7	120	-	-	75/85/ 95 (A)	11,0 (with primer EL 10M)	-	-	-	35
Elastomer 60F/75F/85F/95F	fluid, designed to protect metal surfaces from wear and repair coatings and rubber components	dark grey	1.2	whole pack	0,1; 0,2	6	-	7	120	-	-	60/75/85/ 95 (A)	11,0 (with primer EL 10M)	-	-	-	35
Elastomer 80TR	thixotropic, designed to protect metal surfaces from wear and repair coatings and rubber components	dark grey	1.2	whole pack	0,1; 0,2	5	-	4	120	-	-	80 (A)	6,0 (with primer EL 10M)	-	-	-	30

* heating for 30 days at the temperature of 180°C (356°F)

Complementary:

EL 20 M – primer for elastomers (rubber surfaces), EL 10 M – primer for elastomers (metal surfaces), Fast Cleaner F-7 – industrial cleaning and degrease liquids, Chester Ultra Fast Degreaser F-6 – degreasing and washing agent based on hydrocarbon compounds - quickly fuming, Glass textile tape – special glass textile tape designed for use to reinforce of cracks of regenerating surfaces, Professional Workshop Chemistry – cleaning liquids based on water and solvents.

