

**Maxxun Engineering Sdn Bhd**  
 No. 3, Jalan Permata 9/AK/S09, Taman Perindustrian  
 Air Hitam, 41200 Klang, Selangor, Malaysia.

Tel: +603-31222338 / +603-31231618  
 Fax: +603-31222883  
 Email: inquiry@maxxuneng.com



**chester<sup>®</sup>  
molecular**



APPLICATION FIELDS	Special	Super	Super SL	Super FE	Ceramic T	Ceramic F.FSL	Ceramic F.PSC	Rapid E	Slide Slide F	Super AL. MS	Epoxy SL	Protector A. D. E. YF	Protector D1 / O2 Et/E2 EHT	Protector B. BS. C. CF	E.V.Y	Quartz	Elastomer 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	●	●	●															Trucks in sewage treatment plants
Casting defects		●							●									Reconstruction of sealings in concrete
Scratched pistons and hydraulic cylinders									●									Rubber rotors and pumps bodies
Sideways of rathes 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



e-mail: [info@chester.com.pl](mailto:info@chester.com.pl)  
[www.chester.com.pl](http://www.chester.com.pl)

Chester Molecular Sp. z o.o.  
 Poland, 05-092 Lomianki, ul. Krzywa 20 B  
 tel.: +48 22 751 28 06

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Product name <b>Chester</b>	Product description	Colour	Density g/cm <sup>3</sup>	Mix ratio Base : Reactor		Package kg	Application time after mixing in 20°C / 68°F min.	Curing time for use in 20°C / 68°F h	Chemical resistance in 20°C / 68°F days	Max working temp. °C	Diffraction strength DMS3402 ISO179	Impact strength ISO718	Strength				
				MPa	MPa								MPa	Shore a hardness DMS3505	shear ISO4687	compressive ISO604	bending ISO178
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; 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 and concrete materials	grey bronze	1.8	whole pack	7:1	1	50	-	7	150	-	-	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	-	-	88(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	40	-	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	whole pack	5:1	6; 20	40	-	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 EHY	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	elements, reconstruction of concrete, stone and marble high mechanical properties and chemical resistance	grey	1.2	whole pack	Base: 21; 22; 8	15	45	-	7	150	-	2.7	-	-	-	-	-
Elastomer 757/857/95T	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	6	-	7	120	-	-	75/85/95 (A)	11.0	-	-	35
Elastomer 60T/75P/85P/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	6	-	7	120	-	-	60/75/85/95 (A)	11.0	-	-	35
Elastomer 60TH	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	5	-	4	120	-	-	80 (A)	6.0	-	-	30

\* heating for 30 days at the temperature of 180°C (350°F)

**Complementary:**

EL 20 M – primer for elastomers (rubber surfaces), EL 10 W – 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 lumpy, 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.

