



# Epoxy Resin Systems

## for maintenance and repair



Code	Color	Size	Chemical Base and Fillers	Consistency Viscosity mPas	Tensile Shear Strength on Alu/Alu in N/mm <sup>2</sup>	Temperature Range in °C	Mixing ratio volume at 21°C	Mixing ration by weight	open time in min (200g)	Handling Strength	Final Strength in hours	Special properties	
7700	Titanium	gunmetal	500 g	epoxy resin w. titanium	~550'000 trowelable mixture	35	-35 to +200 short to +260	3:1	100:33	~120	16 hrs	36	Titanium-filled, suitable for pump repair, wearing plates, bearing seats, etc.
7710	Ceramic	blue	500 g	epoxy resin w. ceramic	~40'000	25	-35 to +180	5:1	100:10	~20	12 hrs	24	Ceramic-filled, protects against corrosion, suitable for coating by brush or roller
7720	Stainless Steel	gunmetal	500 g	epoxy resin + stainless steel	~550'000 trowelable mixture	27	-35 to +120	2:1	100:50	~60	16 hrs	24	Stainless steel-filled, forms a non-corrosive surface
7730	Steel	dark grey	500 g	epoxy resin w. steel	~500'000 trowelable mixture	28	-35 to +120	2:1	100:50	~60	16 hrs	36	Steel-filled, marine applications, cures even under water
7740	Plastic Steel	dark grey	500 g	epoxy resin w. steel	~1'000'000 thixotropic paste	21	-35 to +120	4:1	100:10	~60	16 hrs	24	Steel-filled, multi-purpose compound for repair of pipes, valves, engine blocks, etc.
7745	Liquid Alu Filled	grey	500 g	epoxy resin w. aluminium	~25'000	25	-35 to +220	5:1	100:8	~60	16 hrs	24	Aluminium-filled, for potting, making moulds and auxiliary tools
7750	Plastic Steel	dark grey	500 g	epoxy resin w. steel	~800'000 trowelable mixture	14	-35 to +90	2.5:1	100:13	~5	3 hrs	6	Steel-filled, rapid cure for quick repairs not of parts exposed to water
7760	Plastic Steel	dark grey	1000 g	epoxy resin w. titanium	~1'700'000 trowelable mixture	27	-35 to +200 short to +280	1:1	100:100	~30	12 hrs	24	Titanium-filled, for production of pressing and stamping and repair of castings
7800	Repair Stick	dark grey	114 g	epoxy resin w. steel	kneadable putty	~4	-50 to +120 short to +150	-	-	~4	6 min	3	Steel-filled, very rapid-cure, hand kneadable repair putty for quick repairs
7810	Repair Stick	aluminium grey	114 g	epoxy resin w. aluminium	kneadable putty	~4	-50 to +120 short to +150	-	-	~4	6 min	3	Aluminium-filled, very rapid-cure, hand kneadable repair putty for quick repairs

Recommended values and detailed information can be found in the TDS (technical data sheets).

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Potential Applications	7700	7710	7720	7730	7740	7745	7750	7760
Ball bearing seats - repair	●				●			●
Centrifugal pumps - repair	●	●						
Compressor - repair		●						
Cylinder blocks - repair					●	●		●
Fan blades - repair	●		●		●			
Fan blades - surface coating	●	●						
Filling hoppers - repair and assembly	●				●		●	
Flanges - repair and sealing					●		●	●
Heat exchangers - repair				●		●	●	●
Injection moulds - repair			●		●			
Machinery mounts - repair	●							
Macro porosity - sealing						●		
Manifolds - repair and sealing	●	●						
Metal - assembly			●		●		●	
Metal components - repair			●		●		●	
Moulds - repair and modification			●		●			

Potential Applications	7700	7710	7720	7730	7740	7745	7750	7760
Pipe elbows - repair and surface coating	●	●		●	●		●	
Pneumatic equipment - repair		●						
Powder mill machines - repair and surface coating		●	●					
Propellers - repair	●							
Prototypes - construction				●				
Pump housings - interior surface coating		●						
Pump housings - repair	●		●	●	●			●
Pumps - wear protection		●						
Screw conveyors - repair and surface coating		●						
Shaft drives - seats and repair	●				●			
Shafts - repair	●							
Slides - surface coating		●						
Sliding bearings - repair	●				●		●	
Sliding blocks - repair	●	●						
Steam valves - repair						●		●
Tank and containers - repair			●	●	●	●	●	
Threads - repair and assembly					●			
Wear pads - surface coating	●	●						
Workpieces - holding fixtures	●					●		

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