

DIAMANT-Metal-Plastics, cements and mastics

DIAMANT-Multimetal

DIAMANT-DICHTOL



434

Types	Metal cont. in % appr.	Application	Properties	Item No.
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1) Metal-Plastics metal powder & setting agent, 2-components, temperature resistant up to 200°C

Very easy to process:

stir setting agent into powder (more powder = pasty; less powder = pourable), mix and apply; when set can be machined in the same way as metal, setting time 15 – 30 min., contents 1 – 1,5 kg

Ferro-plastic A	92	cast iron	for repairing castings which are painted or sprayed	434.001
Ferro-plastic A/A	92	cast iron	for repairing castings, depending on alloy matching to base metal after machining	434.011
Ferro-plastic superior darkl	96	cast iron	for repairing castings which are machined, after machining excellent matching to metal and metal structure	434.021
Ferro-plastic superior lightl	96	cast iron		434.031
Steel-plastic A	92	cast steel	for repairing castings which are painted or sprayed	434.041
Steel-plastic A/A	92	cast steel	for repairing castings, depending on alloy matching to base metal after machining	434.051
Steelplastic superior	96	cast steel	for repairing castings which are machined, after machining excellent matching to metal and metal structure	434.061
Aluminium-plastic A	92	cast aluminium	for repairing castings	434.071
Aluminium-plastic A/A	92	cast aluminium	for repairing castings, depending on alloy matching to base metal after machining	434.081
Aluminium-plastic superior	96	cast aluminium	for repairing castings and castings which are machined excellent matching to metal and structure	434.091
Bronze-plastic A	92	bronze	can be machined with all tools in the same way as base metal	434.101
Brass-plastic A	92	brass		434.111
Red brass-plastic A	92	red brass		434.121
Copper-plastic A	92	copper		434.131
Iron plastic oxide	96	cast iron & steel	rusts as base metal	434.141
Alloy plastic	98	iron, steel & stainless steel	very fine metal structure (esp. for ground surfaces)	434.151
Setting agent – fast	–	for all metal plastics	esp. for emergency repairs	434.161
Setting agent – slow	–		esp. for normal repairs	434.162
Setting agent – heat resistant	–		esp. for high perm. temp. (up to about 250°C)	434.163
Bond additive 03	–		to achieve a better bond	434.164

2) Polishable metal mastic 1-component, ready to use, setting time 45 – 60 min., contents 1 – 1,25 kg

Liquid iron	–	cast iron	for small flaws in unmachined castings	434.201
Liquid aluminium	–	cast aluminium	with good colour matching to metal, temp. resistant up to 500°C	434.202
Thinner	–	for liquid iron	for thinning liquid iron	434.203
Thinner	–	for liquid aluminium	for thinning liquid aluminium	434.204
Mastic light	80	cast iron & steel	for repairing castings, well matching to metal structure after machining, high temperature resistance appr. 750 – 800°C, matches metal when brushed, type Superior especially suitable for polishing, with best metal effect	434.210
Mastic superior light	90	cast iron & steel		434.220
Mastic dark	80	cast iron		434.230
Mastic superior dark	90	cast iron		434.240
Mastic aluminium	75	cast aluminium		434.250
Mastic superior aluminium	90	cast aluminium		434.260
Special thinner	–	for all polishable mastics	for thinning non-set metal mastics and levelling not yet hardened mastics	434.270

3) Pourable mastic 1-component, metal powder, to which water is added, temp. res. up to 1200°C, setting time 10 – 15 min.

Types	Metal content in % appr.	Application	Properties	Cont.	Colour / Item No.		
					black-grey	blue-grey	light-grey
Pourable iron mastic superior	80	cast iron & steel	for repairing blemish, simple and low-cost mastic	5 kg	434.301	434.311	434.321
				10 kg	434.302	434.312	434.322
				20 kg	434.303	434.313	434.323

4) Multi Metal 2-components, chemical cold welding, temperature resistant up to 150°C, setting time 2 – 3 hrs.

Types	Metal content in % appr.	Application	Properties	Item No.
Iron	–	cast iron	mix both components, can be shaped by hand, pot time appr. 1 hr., sets within 3 hrs., no cracks, no shrinkage, even on thick layers, optimum chemical and mechanical resistance, metallic character	434.401
Steel	–	cast steel		434.411
Aluminium	–	aluminium		434.421

5) Dichtol 1-component, ready to use

Dichtol liquid	—	all castings	low-priced, highly effective filler for micropores and microflaws, apply by brushing, spraying or dipping (without pressure or vacuum), sets after 24 hrs. at normal temperature, pressure tight up to 350 bar, temp. res. from abt. – 40°C to 360/400°C (for short periods), for per. temp. max. 120 to 140°C	1 l	434.501
Dichtol spray	—	all castings		10 l	434.502
				0,5 l	434.511
Dichtol WF	—	all castings	as Dichtol, for perm. temp. max. + 200°C	1 l	434.521
				10 l	434.522