

## POWDERS FOR COLD SPRAY, 2019

*(General List)*

Blend name	Base metal	Additives	Destination	Remarks
K-80-13 A-80-13	Aluminum	Alumina Zink	Build up material to restore shape and volume of metal parts. <b>45 eur/kg</b>	The small volume of zink additive serves to prevent nozzle clogging.
K-20-11 A-20-11	Aluminum	Alumina Zink	Sealing up material to fill slits and holes in metal parts. <b>45 eur/kg</b>	The volume of zink additive promotes holes and slits plugging.
K-00-11 Z-00-11	Zink	Alumina	Corrosion protection at local areas of steel constructions. <b>45 eur/kg</b>	.
K-01-01 C-01-01	Copper	Alumina	Build up material to improve electric and heat conductivity. Electric contacts and conducting lines at any metals and ceramic. Coating for soldering. <b>45 eur/kg</b>	Aluminum sublayer is required at ceramic substrate.
K-01-11 C-01-11	Copper	Alumina Zink	Sealing up material to fill slits and holes in metal parts. Build up material for operating temperatures up to 800° C. <b>45 eur/kg</b>	The volume of zink additive promotes holes and slits plugging.
K32 N3-00-02	Nickel	Alumina	Protective coating in aggressive and high temperature media. Build up material. <b>120 eur/kg</b>	.
K714 N7-00-14	Nickel	Alumina Zink	Sealing up material to fill slits and holes in metal parts, build up material for operating temperatures up to 1200° C. <b>120 eur/kg</b>	The volume of zink additive promotes holes and slits plugging.
T2-00-05	Tin	Alumina	Protective coating at electric contacts. <b>80 eur/kg</b>	.
TP-63-25	Tin alloy	Alumina	Protective coating at electric contacts. ____ Sn(63%)-Pb alloy <b>80eur/kg</b>	.
B83-100-40	Babbitt B83	.	Restoration of slide bearings cast-on babbitt B83. ____ Sn(83%)-Cu-Sb alloy <b>120 eur/kg</b>	Special tool SBB-03 is required.
P1-00-01	Lead	Alumina	Corrosion protection in aggressive media. Porosity and screws sealing up. <b>35 eur/kg</b>	.
K-00-04-16	.	Alumina	Blasting media to prepare substrate surface.	Increased nozzle

			<b>20 eur/kg</b>	insert wear.
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*(General List powder blends are applied in most applications)*

*(Special List)*

Blend name	Base metal	Additives	Destination	Remarks
K-20-01 A-20-01	Aluminum	Alumina	Build up material to restore aluminum part shape. Microscopic leakages sealing up . Corrosion protection. <b>50 eur/kg</b>	Nozzle insert clogging is possible.
K-10-01 A-10-01	Aluminum	Alumina	Build up material to restore aluminum part shape. Microscopic leakages sealing up . Corrosion protection. <b>50 eur/kg</b>	Nozzle insert clogging is possible at upper temperature settings.
K-10-04 A-10-04	Aluminum	Alumina	Prime layering for nickel and copper coating deposition to ceramic substrates. <b>50 eur/kg</b>	Increased nozzle insert wear.
A-20-10	Aluminum	Zink	Conducting coatings at glass substrate. <b>50 eur/kg</b>	Regular deposits buildup at nozzle walls.
C-03-10	Copper	Zink	Conducting coatings for soldering at glass substrate. <b>50 eur/kg</b>	Reduced bond strength. Aluminum sublayer is recommended.
C-01-00	Copper	.	Auto-limited thicness coating for soldering. <b>45 eur/kg</b>	Reduced deposition efficiency. Rough substrate surface is required.
K-00-04-02	.	Alumina	Blasting media for ceramic and other sensitive surfaces. <b>30 eur/kg</b>	Increased nozzle insert wear.

*(Special List powder blends are applied in the cases when General List powder blends are not applicable)*