



Metal bonding additives

S-816

Features and advantages:

S-816 is a special additive for metal powder bonding, which is suitable for metal effect powder coatings of different systems.

1. Prevent the adhesion of powder particles in the bonding process
2. Increase the bonding temperature and improve the bonding effect of metal coating
3. Reduce the amount of metal pigment required for metal effect powder coating
4. Improve the heat and salt spray resistance of the coating

Product specification:

appearance	White powder
Particle size	3 μm (D50)
Fusing point	145°C
density	0.99 (g/cc)
Volatile matter	$\leq 1\%$
ingredient	Micropowdered modified polymer

Addition amount and use method:

1. The amount of metal bonding additives added to S-816 is generally 0.2-1.5%
2. Using the heating equipment, add S-816 with the base powder into the hot mixing cylinder, stir to about 65°C, stir slowly, add metal pigment powder, control the temperature for 10-25 minutes, discharge the powder to the cold mixing cylinder, stir slowly, cool the powder quickly to below



35°C, mix in the flow additives, discharge the material through the screen.

Packing: 15kg/bag 20kg/bag (lined with polyethylene bag)

Storage: It should be stored in a clean, ventilated and dry warehouse to avoid impurities