PRODUCT CATALOGUE

ALBA CP-250

CONDUCTIVE METAL PUTTY FOR POWDER COATING

Single component | Air drying | Aluminum-filled

A ready-to-use conductive metal putty for correcting localized surface defects on metal parts before electrostatic powder coating. Aluminum in the formulation helps maintain electrical conductivity at repaired areas.

250°C	≈6 h	5 mm
MAXIMUM HEAT RESISTANCE	SURFACE-DRY TIME	MAXIMUM THICKNESS / LAYER

KEY PERFORMANCE FEATURES

CONDUCTIVE FORMULATION
Aluminum-filled composition helps maintain an electrically conductive repair area.

AIR-DRYING SYSTEM
Surface dry: approximately 6 hours. Through-dry: 24–72 hours, depending on ambient temperature, humidity and layer thickness.

ONE COMPONENT
Ready to mix and apply; no separate hardener is required.

MULTI-LAYER BUILD
For repairs deeper than 5 mm, apply in multiple layers after sufficient drying between coats.

RECOMMENDED APPLICATIONS

POWDER COATING LINES	METAL PARTS	INDUSTRIAL PRODUCTION
Localized surface correction before electrostatic powder application.	Filling localized dents and uneven areas on metal substrates.	For components within the stated maximum heat range of 250°C.

DESIGNED FOR CONDUCTIVE SURFACE REPAIR BEFORE POWDER COATING

TECHNICAL DATA

Typical product information for selection and application planning.

PROPERTY	TYPICAL VALUE
Product type	Conductive metal putty for powder coating preparation
Components / drying system	Single component / air drying
Conductive filler / consistency	Aluminum / paste
Maximum heat resistance	Up to 250°C
Maximum thickness per layer	5 mm
Surface-dry time	Approximately 6 hours
Through-dry time	24–72 hours, depending on ambient temperature, humidity and layer thickness
Suitable substrates	Metal surfaces
Pack sizes	1.5 kg and 25 kg

APPLICATION PROCEDURE

1	**SURFACE PREPARATION** Use only on a clean, dry and sound metal surface. Remove oil, grease, dust, rust, moisture, loose coatings and other contamination.
2	**MIX UNIFORMLY** Mix the contents to a uniform consistency before use. No separate hardener is required.
3	**APPLY UP TO 5 MM** Apply with a clean putty knife or spatula. Do not exceed 5 mm per layer; use multiple layers for deeper repairs.
4	**DRY & INSPECT** Surface drying takes about 6 hours and through-dry develops in 24–72 hours. Confirm full drying, surface uniformity, repaired-area conductivity and correct grounding before powder coating and oven entry.

PROCESS CONTROL & LIMITATIONS

BEFORE POWDER COATING

Confirm sufficient through-drying, an even repair surface, electrical continuity at the repaired area and correct grounding of the part. Test unfamiliar alloys or existing coatings on a small area first.

IMPORTANT LIMITATIONS

Do not use above 250°C, in direct flame contact or inside high-temperature furnaces. Do not exceed 5 mm in one layer or apply over oily, wet, rusty or loosely coated surfaces. Test compatibility before use on non-metal substrates.

**Drying and final performance vary with layer thickness, ambient temperature and humidity, substrate condition, grounding and powder-coating process settings. Test compatibility before broad use.*