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ZYP Cugralon

Manufactured by ZYP exclusively for Pyrotek®

High Purity, Graphite-based, Dry Lubrication and Release Coating

ZYP Cugralon is a high-purity odorless liquid coating, formulated especially for copper processing. It will not crack, melt or run at a high temperature. It consists of finely-divided graphite suspended in a water base, which gives it a house paint consistency. Cugralon provides easy removal of cast parts from moulds, excellent surface quality and casting dimensions, long mould life and reduced maintenance.

Key Attributes

- Fine particles allow for easy application and mirror finishes
- Acts Like Teflon® to molten metal
- Excellent release and protection on all substrates
- Holds tight to the substrate without flaking
- Applies like house paint
- Water-based, free of solvents

Ideal Use

- Lubrication of:
 - Extrusion billets
 - Hot-press parts
 - Metal-to-metal contact areas
 - Separating/parting media
 - Spatter and braze stop-off
- Release agent for casting moulds and dies
- For use with copper, bronze, silver, aluminium and may other metals

Use Notes

1. Remove any oil, dirt, scale or other contaminants from the surfaces being coated.
2. Mix the coating thoroughly.
3. Apply by dipping, air-spraying or brush
4. Allow the coating to dry thoroughly before use.
5. Clean the coating application tools with water.

Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapours.
- For industrial use only.



Specifications

Active Ingredient	Graphite
Maximum Use Temperature	Air 600°C/1112°F Vacuum 2000°C/3632°F Inert 2000°C/3632°F
Fired (Dried) Composition	100% Graphite
Liquid Carrier	Water
Specific Gravity	1.27
Colour	Grey to black
Shelf Life	Typically 12-plus months
Coverage—m ² /gal (ft ² /gal)	9–37 (100–400)
Coating pH	>8
H F R Safety Ratings	1-0-0
Substrate Use	Graphite, metals, ceramics
Dilution Ratio (water:coating)	2:1 common 10:1 maximum
Percentage Solids	20–30%
Percentage Liquid Phase	70–80%
Brookfield Viscosity (cps) @3/60	1250–1900

Sizes and Colours

Standard Size: Wide-mouth 19 litre (5 gallon) pail.

ZYP Cugralon is a grey to black coloured coating that offers excellent visibility on a substrate.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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