

CuMac Rival

Acid Copper Plating System

The Right Copper for Zinc Based Die-Casting

The ultimate in bright acid copper plating systems, **CuMac Rival** is a no compromise, high quality additive system developed to give the most outstanding results possible even on difficult or demanding substrates. No matter what the application, if you require high levelling, ultra bright acid copper the right choice is CuMac Rival.

CuMac Rival is built around a stable, rapid response organic additive package, making both brightener and carrier additives highly soluble and fast acting. This results in a system ideal for substrates like zinc based die-casting, where deposit clarity & high levelling are of paramount importance. Coupled with this, the CuMac Rival bath has a high tolerance to zinc contamination, a critical aspect of the electrolyte when plating die-castings.

When you need tailor made acid copper system, count on the company that says "Yes We Can", MacDermid.



Key Features

- Excellent zinc contamination resistance
- High levelling capability
- Exceptional LCD brightness
- Ultra fast brightener response

YES WE CANSM

 **MacDermid**
Industrial Solutions

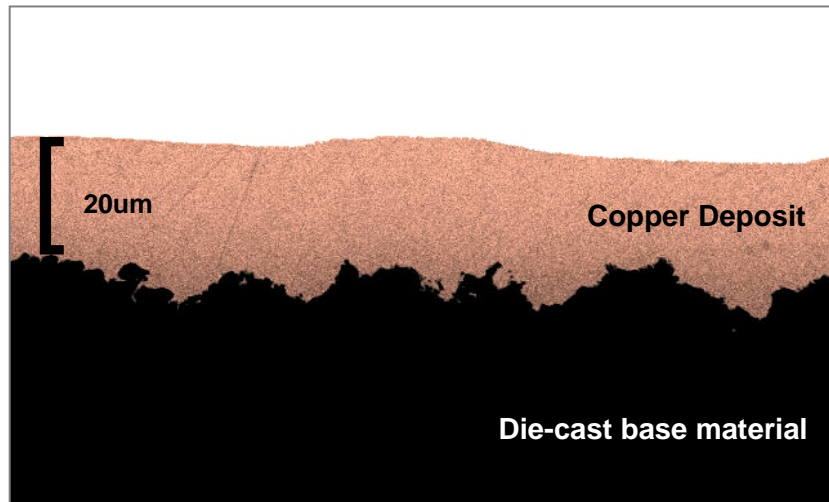
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The Best Levelling Money Can Buy. Period

The ability of acid copper to produce a levelled deposit vital for many low cost, high quality decorative applications, none more so than plating zinc-based die-casting. This requires a copper system capable of high levelling at minimum thicknesses to ensure any substrate defects are not mirrored in the final finish. Zinc die-castings are also notorious for contamination of both copper and nickel electrolytes, particularly effecting the low current density brightness. To overcome this, CuMac Rival has been designed with a high tolerance to zinc contamination, making the deposit less prone to LCD dullness.

Only MacDermid go to these lengths to design and build products that identify and eliminate application problems.



The levelling effect of CuMac Acid Copper over die-cast base material.

YES WE CAN

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says
"Yes We Can."

 **MacDermid**
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