



PT. SINAR CEMARAMAS ABADI

- VERCOPPER (ACID / CYANIDECOPPER)
- VERNICKEL
- VERCHROME
- VERZINC ACID / CYANIDE ZINC
- CLEANER (ELEKTRO / SOAK)
- PHOSPHATING
- CHROMATING
- ELECTROLESS NICKEL

FOR HIGHTECT ELECTROPLATING :

- ELECTROLESS NICKEL PLATING FOR ALUMINIUM AND ZINC DIE CAST, MAGNESIUM
- GOLD PLATING
- PTFE FORELECTROLESS NICKEL
- HARDCHROM
- SAND CAST ALUMINIUM ALLOYS PLATING
- MAGOXID – COAT FOR PROTECTING MAGNESIUM SUBSTRATES

- KEPLA – COATING FOR ALUMINIUM AND TITANIUM ALLOYS
- ELECTROLESS NICKEL PLATING WITH INTEGRATED SILICON CARBIDE PARTICLES (SIC)
- GLISS – COAT
- A CLEAN SOLID FILM LUBRICATION FOR A MAINTENANCE FREE PERMANENT LUBRICATION OF ALL KIND OF FRICTION PAIRINGS
- SEPA – COAT (ANTI ADHESIVE COATING AND ACTIVATOR) FOR THE REMOVAL OF PART FROM MOULDS

ANTI TARNISHING HR 9

Characteristic

ANTITARNISHING HR 9 is an organic product with the property to form from alkaline solution a molecular film on metal surfaces with a very good corrosion protection.

As pickling additive ANTITARNISHING HR 9 prevent largely the attack on the base material and the penetration of hydrogen and has a light levelling action. By that means the spiteful hydrogen embrittlement of e.g. hardened steels is effectively prevented.

Pre- Treatment

In order to ensure an uniform development of the protection film, the pieces must be dipped in the solution in completely fat free condition.

Bath make – up and Application

ANTITARNISHING HR 9 is delivered as concentrate.

Operating concentrations of 1 – 2 % vol, have proved in existing pickling baths and in corrosion protection solutions.

As Operating Data

Make Up for 100 L Bath:

Water, approx.	99 – 98 L
ANTITARNISHING HR 9 approx.	1 – 2 L
Temperature	room
Immersion Time	10 sec.
pH	11

Head Office :

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Removal Of The Protection Film

The applied corrosion protection can be removed again in water area.

TANK: Plastic, stainless steel or rubber coated steel tanks.

Waste Water Treatment

ANTITARNISHING HR 9 is free of complexing agents. During the pickling process a concentration of heavy metals takes place. These must be removed by precipitation. The legal regulations are to observe.

These operating instructions are intended for your assistance. The information is given according to the best of our knowledge and belief. However, in view of the fact that we have no control over precise adherence to our instructions, and in view of the large number of potential applications, we are unable to accept any liability whatsoever.

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