



- 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• GLISS – COAT
- PTFE FORELECTROLESS NICKEL
- HARDCHROM LUBRICATION OF ALL KIND OF FRICTION PAIRINGS
- 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)

- A CLEAN SOLID FILM LUBRICATION FOR A MAINTENANCE FREE PERMANENT
- SEPA – COAT (ANTI ADHESIVE COATING AND ACTIVATOR) FOR THE REMOVAL OF PART FROM MOULDS

## DEGREASER HR 15

**For Brass and other non – Ferrous metals**

Properties	Powder which is easily water soluble, strongly alkaline and free of Cyanide	
Required chemicals	<b>Degreasing Salt HR 15</b> <b>Degreasing Salt HR 15V (reinforcing agent, replenisher)</b>	
Aplication	For cleaning of non-ferrous metals and slighty dirty iron parts (soak and electrolytic cleaning).	
Tank	SM steel unprotected or Hard rubber lined, plastic tank	
Heating	Immersion heater of steel or stainless steel	
Bath make-up	For non-ferrous metals	: 5 – 8 kg / 100 l bath
Working temperature	For non-ferrous metals	: 40 – 45 ° C
	For iron parts	: 60 – 70 ° C
Voltage	4 – 5 V	
Current Density	For non-ferrous metals	: 2 – 3 A/dm <sup>2</sup>
	For iron Parts	: 4 – 5 A/dm <sup>2</sup>
Bath agitation	circulation is recommended	
Immersion time	For soak cleaning	: 5 - 15 min.
	For electrolytic cleaning	: 1 – 3 min
Anodes	Sheet steel	
Bath control	regular analytic control is required	
Replenishing	According to analysis with degreasing salt HR 15 V	
Exhaustor	recommendable	
Waste water	all waste water must be treated as law requires before Being admitted to the public canalization.	
Safety measures	All contact with skin and eyes are to avoid. Wear rubber Gloves, rubber boots and above all goggles at manipulation.	

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