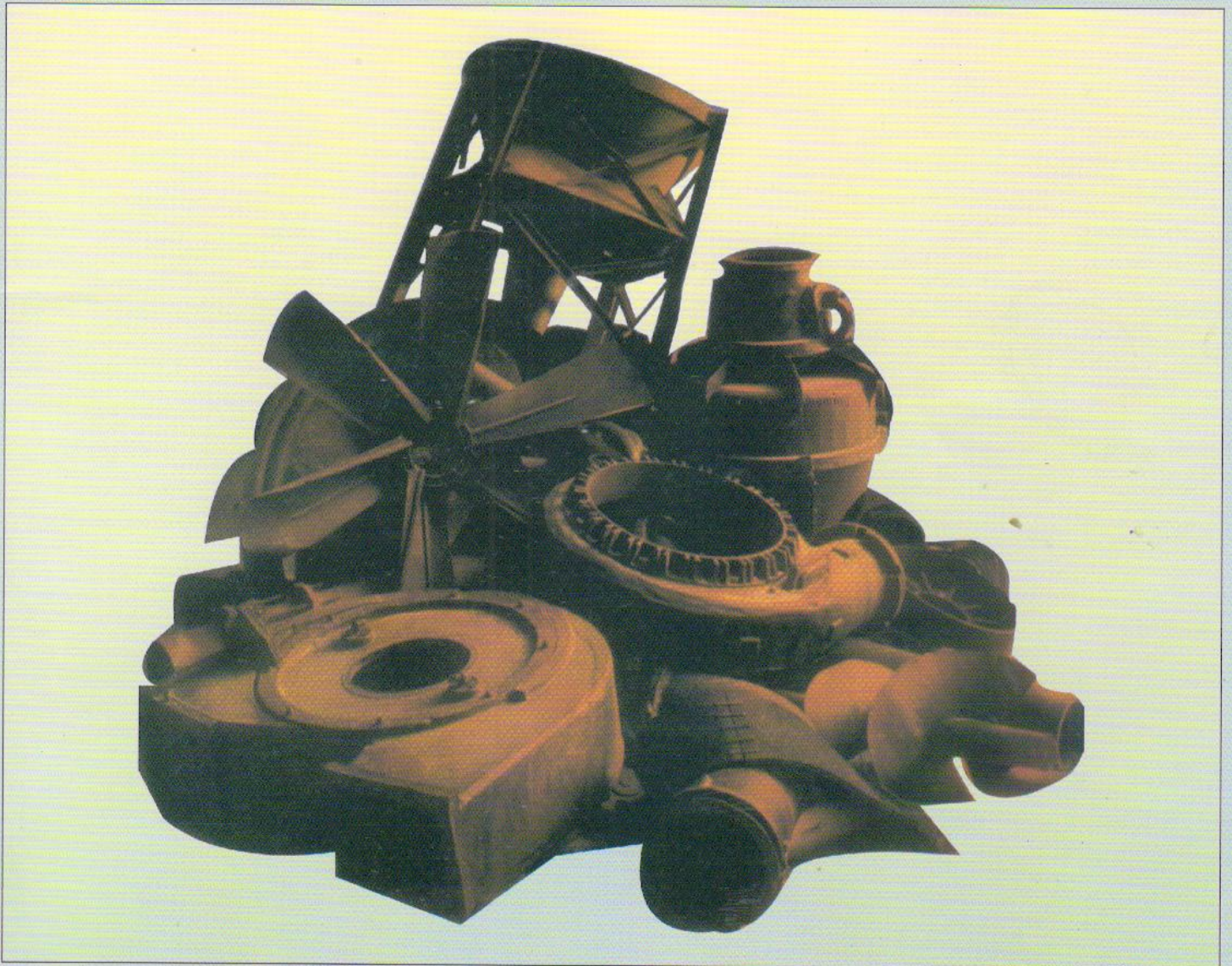




**REDUCE SCRAP
REDUCE DOWN TIME**

HOFMANN IT.



METAL REPAIR & SURFACE RENEWAL PRODUCTS

HOFMANN METALLIC POLYMERS FOR REPAIR AND PROTECTION OF MACHINERY AND EQUIPMENT

HOFMANN'S EMERGENCY REPAIR PRODUCTS

E - POLY METAL • UW POLY METAL

HIGH STRENGTH 100 % SOLID STRONG MOLECULAR TECHNOLOGY WHICH GETS CURED WITHIN 8 TO 10 MINUTES.

Salient Features :

- Fast Curing and Easy Application.
- Bond almost all materials.
- Machining, Drilling, tapping Possible
- UW Poly Metal can cured in WET/HUMID conditions.

Typical Application :

- Emergency repairs of Elbow, Pipes, Tanks, Pumps, vessels, etc.

Physical Properties :

	E POLY METAL	UW POLY METAL	
Compressive Strength	: 450 Kg/cm ²	500 Kg/cm ²	
Flexural Strength	: 350 Kg/cm ²	-----	
Temperature Resistant	: 110° C.	110° C.	(Please apply under water only, after exothermic reaction starts)
Working Time	: 3 to 5 Min.	5 to 10 min.	
Curing Time	: 10 Min. @ 30° C.	15 to 20 Min @ 30° C.	
Shore Hardness	: 80 D	75 D	
Coverage Area	: 2.2 2.3 kg/sqm.	2.2 2.3 kg/sqm.	

HOFMANN'S MACHINABLE PRODUCTS

POLY STEEL • POLY SS • ALUMINIUM • BRONZE • TITANIUM • NC POLY METAL

THESE ARE 100 % SOLID, HIGH STRENGTH, SPECIFIC METAL CONTENT MACHINABLE SYSTEM FOR ECONOMICAL AND DEPENDABLE MAINTENANCE AND PERMANENT REPAIR WORK.

Salient Features :

- Versatile repair to metal and glass against corrosion.
- Can be machined like metal after curing.
- No twisting, bending, internal stresses as faced in welding.
- Very economical compared to tig welding of Titanium, Aluminium Etc.

Typical Application :

- Repair corroded areas like Impeller, Casing, Propeller Shafts, Key Ways, Tanks area.
- Repair specialized metal parts like Aluminium, Gunmetal, Titanium etc.
- Cooling System of Vacuum furnaces, Fractured Castings, Prototype parts/patterns, can be repaired/prpared.
- Can be used to repair floating roof of tank and to fill gap between Heat Exchanger Tube sheet and Tube.

Physical Properties :

	POLY STEEL	POLY SS/ALU./BRONZE	TITANIUM	NC POLY METAL
Compressive Strength	: 750 Kg/cm ²	750 Kg/cm ²	700 Kg/cm ²	850 Kg/cm ²
Flexural Strength	: 500 Kg/cm ²	500 Kg/cm ²	550 Kg/cm ²	450 Kg/cm ²
Working Time @30°c	: 20 30 Min.	20 30 Min.	20 30 Min.	20 30 Min.
Curing Time	: 3 Hours.	3 to 4 Hours.	3 Hours.	3 to 4 Hours.
Coverage Area	: 2.5 Kg/sqm.	1.8 2.5 kg/sqm.	2.0 2.2 kg/sqm	2.0 2.2 kg/sqm

HOFMANN'S EROSION & CORROSION RESISTANT PRODUCTS

POLY CERAMIC COMPOUND AND POLY CERAMIC LIQUID :

THESE PRODUCTS ARE NON MACHINABLE CERAMIC FILLED FIBRE REINFORCED, ADHERE TO ALMOST ALL SURFACE. SPECIALLY USEFUL WHEN CORROSION AND EROSION IS ENCOUNTERED.

Salient Features :

- Versatile to repair any metal in corrosion and acidic area.
- To get optimum result these can used combined with W.R. & Microbead compound also.

Typical Application :

- Chemical pump casing, impeller, glass lined vessel's, propeller blade of a ship, acid spill over area, where erosion and corrosion is faced encountered due to acid etc.
- Used in place of rubber lining / Teflon lining to get more life, If erosion is encountered.

Physical Properties :

	Poly Ceramic Compound	Poly Ceramic Liquid
Compressive Strength	: 950 Kg/cm ²	800 Kg/cm ²
Flexural Strength	: 550 Kg/cm ²	550 Kg/cm ²
Temperature Resistant	: > 200° C.	200 c
Shore Hardness	: > 90 D	> 90 D
Working Time	: 25 30 Min.	30 40 Min.
Curing Time	: 3 4 Hours.	4 Hours.
Coverage Area	: 6.5 Kg/sqm.	1 Kg/sqm.
Coating Thickness	: 2 3 mm.	0.5 mm.

HOFMANN'S ABRASION & EROSION RESISTANT PRODCTS

MICROBEAD COMPOUND AND WR POLY COMPOUND :

CERAMIC BALLS SILION CARBIDE FILLED SOLID SYSTEM TO COMBAT EROSION FROM PARTICLE SIZE OF 3 TO 6 MM TO RESIST HEAVY ABRASION WITH CORROSION IN ANY EQUIPMENT IN THE PLANT.

Salient features :

- Hard to mix but easy to apply.
- 100 % solution against abrasion.
- To get optimum result these can be used combined with Poly Ceramic compound, liquid & Fibreglass tape.

Typical Application:

- Contoured centrifuge parts where ceramic lining cannot be applied for handling coal, hopper slurry, etc.
- For repair of Centrifuges (screw type), I.D. fans, Pneumatic Conveying elbows, slurry pump casing, Hopper, Chute, Inlet side of the ball mill, cyclone separator, ceramic lined bends etc.

Physical Properties :

	Microbead Compound	WR Poly compound
Compressive strength	: 900 Kg/cm ²	900 Kg/cm ²
Flexural Strength	: 550 Kg/cm ²	550 Kg/cm ²
Temperature Resistant	: 200° C.	200° C.
Working Time	: 30 40 Min.	30 40 Min.
Curing Time	: 3 4 Hours.	3 4 Hours.
Coverage Area	: 13.5 Kg/sqm.	13.5 Kg/sqm.
Coating Thickness	: 5 mm.	5 mm.

HOFMANN MICROSEAL LIQUID :

IT IS A SINGLE COMPONENT, WATER WHITE THIN LIQUID WITH EXCELLENT CAPILLARY ACTION. IT CAN PENETRATE WITHOUT PRESSURE OR VACCUM, FINEST VOID, CRACK, POROSITY UNDER ITS OWN HEAD AND CURED TO A FINE RESINOUS MASS.

Salient Features :

- Simple brush application
- Spray and dip system also possible.

Typical Application :

- All big and heavy casting like compressor body, Engine Cylinder, Pump Body, valves, die Cast parts can be repaired.
- Cracks in any metal can be filled, engine cylinder, cylinder head, compressor body etc.

Special Instruction :

This material can be applied in combination with Poly Steel, Poiy Aluminum, Bronze, NC Poly Metal and can withstand 200 *C and pressure of 25 kg/cm² simultaneously.

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Application	E POLY METAL	UW POLY METAL	POLY STEEL	NC POLY METAL	POLY ALUMINIUM	SS POLY METAL	TI POLY METAL	WR POLY COMPOUND	POLY CERMAMIC COMPOUND	POLY CERMAMIC LIQUID	POLY FLEXANE PUTTY/LIQUID
Slurry Pump								✓	✓	✓	
Mud Pump								✓	✓	✓	
Cyclone								✓	✓	✓	
Fan								✓	✓	✓	
Hoppers								✓	✓	✓	
Dust Collector								✓	✓	✓	
Screw Conveyer								✓	✓	✓	
Eroded Valves									✓	✓	
Undersize Shafts	✓		✓	✓	✓	✓	✓				
Bearing Housing	✓		✓	✓	✓	✓	✓				
Elbow/Bend	✓							✓	✓		
Under Water		✓									
Tank Leakage	✓	✓									
Eroded Tube Sheets									✓	✓	
Eroded Vaccum Pump									✓	✓	
Gearbox-Oversize	✓		✓	✓	✓	✓	✓				
Sloppy Key ways	✓		✓	✓	✓	✓	✓				
Conveyer Belt											✓
Rubber Lining											✓
Scored Hydraulic Ram			✓	✓	✓	✓	✓				
Stripped Thread			✓	✓	✓	✓	✓				

Hofmann

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