

101 power metal repair paste notes

PES 101 Power Metal Paste is a two-component solvent-free epoxy metal repair compound designed to fill surface erosion & corrosion on metallic surfaces.

- Apply to mechanically & abrasive blast-cleaned surfaces
- High mechanical adhesion to metal substrates
- Apply at thicknesses up to 1"

Typical Applications

worn or damaged pump shafts
worn bearing housings
worn keyways
eroded rudder surfaces

cracked pump or valve casings
damaged flanges
cracked engine blocks
corroded bow thruster tunnels

scored hydraulic rams
leaking tank seams
damaged vessel hulls
cold bonding steel plate

Surface Preparation, Pressure, and Temperature Tolerance

Product	Grade	Fabric or plate	Surface Preparation	Pressure Tolerance	Temperature tolerance
101 Power Metal Repair Paste	Paste	Reinforcement tape	Wire brush Sandpaper	50psi	122°F
101 Power Metal Repair Paste	Paste	Formed steel plate	Mechanical – Needle gun, rotary wire brush, angle grinder, MBX bristle blaster	100psi	158°F
101 Power Metal Repair Paste	Paste	Formed steel plate	Abrasive blast clean, minimum NACE #2	300psi	158°F

Product Characteristics and Testing

Product	Grade	Usable Life	Touch Dry	Hard Dry	Full load	Dry Temp Resist	Wet Immersed	Volume Capacity
101 Power Metal Repair Paste	Paste	30mins	2hrs	8hrs	2days	302°F	158°F	24cu in/kg
	Compressive Strength ASTM D695	Tensile Shear Adhesion D 1002		Flexural Strength ASTM D790		Hardness Rockwell R ASTM D785		
	(15,300psi) 1075kg/cm ²	(2630psi) 185kg/cm ²		(10,000psi) 703kg/cm ²		100		

Metal surfaces rebuilt and machined using 101 Power Metal Repair Paste

