DURA-COAT HIGH TEMPERATURE PUTTY 1800

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat High Temperature Putty 1800 is a solvent free, high functionality Novolac Epoxy coating ambient-temperature curing. It is designed particularly as a rebuilding material for metals in highly aggressive chemical and temperature immersion service Dura-Coat High Temperature Putty 1800 is convenient-to-use, non-sagging with excellent high temperature resistant and high mechanical strength. It is able to withstand up to 230°C continuous operation and up to 280°C intermittently.

- It can be applied up to 500 mils without slump
- Ideally suited for restoration cladding material for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Watercraft
- Chemical storage tanks
- Scrubbers
- Heat exchangers
- Fans and housings
- Concrete Secondary Containments

Electric power plant
Paper making dry tank
Hot oil pipeline break

- Ducts
- Tank linings
- Mix Zones

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	230°C 280°C	446°F 536°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Excellent Excellent Excellent	
Flexural Strength	(ASTM D 790)	620 kg/cm2 (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm2 (2 0.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10^4 kg/cm2	9.9 x 10^5 psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cy cles	(ASTM D 4060)	15mg	
Pot life		25 MIN / KG at 72ºF	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2”)		No sag	
Coverage for 10Kg kit	54sf @40mils	5m2 @1mm	
Mix Ratio	2:1 by Weight		Base: Activator
Color	Grey as standard. Blue and Red optional . Other colors contact the manufacture		
Shelf life (unopened containers)	3 Years at 55 -95ºF (13 -35ºC)		