

DURA-COAT



**PLANT WIDE COATING
CORROSION AND ABRASION PROTECTION
CONCRETE AND FLOORING PROTECTION**

QUICK DESCRIPTION

PRODUCTS	TYPE	DESCRIPTION	
Metal 400 Metal-Flex 480 Industrial 620 Rebuild 101 Rebuild Under Water 121 Rebuild Fast 151 Abrasion 301 Abrasion 303 Abrasion 306 Abrasion Fast 351 Abrasion Fast 353 Abrasion Fast 356	Liquid Liquid Liquid Putty Putty Putty Putty Putty Putty Putty Putty	Metal coating for corrosion and abrasion protection Metal coating for cavitation, corrosion and abrasion protection General purpose industrial coating for corrosion protection Metal rebuilding epoxy with abrasion protection Metal rebuilding epoxy SURFACE TOLERANT with abrasion protection Fast curing metal rebuilding epoxy with abrasion protection High abrasion and impact protection epoxy with small ceramic beads High abrasion and impact protection epoxy with medium ceramic beads High abrasion and impact protection epoxy with large ceramic beads Fast curing high abrasion and impact protection epoxy with small ceramic beads Fast curing high abrasion and impact protection epoxy with medium ceramic beads Fast curing high abrasion and impact protection epoxy with large ceramic beads	Corrosion and Abrasion
Rebuild Chemical 201 Rebuild Chemical Fast 251 Metal Rebuild 261 Abrasion 306HT High Temp Putty 1800 Low surface energy 290 Chemical 200HT Chemical 200	Putty Putty Putty Putty Putty Liquid Liquid Liquid	Metal rebuilding epoxy with abrasion protection and aggressive chemical protection Fast curing metal rebuilding epoxy with abrasion protection and aggressive chemical protection Fast curing metal rebuilding for high temp and chemicals, steel filled for optimal machining High abrasion and impact protection epoxy with large ceramic beads for high temperature High temperature epoxy putty for metal repair Low surface energy epoxy to avoid sticky products impregnation Aggressive chemical protection coating for metal with high temperatures Aggressive chemical protection coating for metal	Aggressive chemicals
Industrial floor 600 Krete-seal 800 Krete-seal Fast 820 Strong-Krete 830 Strong-Krete Fast 850 Chemical Mortar 840 Krete-Chemical 870 Krete-Flex 880	Liquid Liquid Liquid Mortar Mortar Mortar Mortar Liquid Putty	Industrial epoxy coating Concrete sealing epoxy Fast curing concrete sealing epoxy Extra strong epoxy mortar Fast curing extra strong epoxy mortar Extra strong epoxy mortar for strong chemical exposure Aggressive chemical protection coating for concrete floor Concrete flexible membrane epoxy	Flooring

PRODUCT APPLICATION GUIDE



PRODUCTS		Metal	Concrete	<70°C(158°F) Immersion	<150°C(300°F) Immersion	<230°C(446°F) Immersion	Concentrated Acid	Diluted Acid	Alkaline	Food and Drugs compliance (FDA)	Mild Erosion	Moderate Abrasion	Severe Abrasion	Extreme Abrasion	Mild to Moderate Impact	Moderate to Severe Impact
Flooring	Krete-Seal 800		X	X				X	X		X					
	Krete-Seal Fast 820		X	X				X	X		X					
	Strong-Krete 830		X	X				X	X				X		X	
	Strong-Krete Fast 850		X	X				X	X				X		X	
	Chemical Mortar 840		X	X			X		X				X		X	
	Krete-Chemical 870		X	X			X		X	X			X			
	Krete-Flex 880		X	X				X	X		X					
	Industrial Floor 600		X	X				X	X		X					
Rebuilding Epoxy	Rebuild 101	X			X			X	X	X		X				
	Rebuild Underwater 121	X		X				X	X			X				
	Rebuild Fast 151	X			X			X	X	X		X				
	Rebuild Chemical 201	X				X	X		X	X		X				
	Rebuild Chemical Fast 251	X				X	X		X	X		X				
	High Temp Putty 1800	X				X	X		X	X		X				
	Abrasion 306HT	X				X	X		X					X		X
	Abrasion 301	X		X				X	X				X			X
	Abrasion 303	X		X				X	X				X			X
	Abrasion 306	X		X				X	X					X		X
	Abrasion Fast 351	X		X				X	X				X			X
	Abrasion Fast 353	X		X				X	X				X			X
	Abrasion Fast 356	X		X				X	X					X		X
Epoxy Coating	Metal 400	X			X			X	X	X		X				
	Metal-Flex 480	X		X				X	X			X				
	Industrial 620	X		X				X	X			X				
	Low Surface Energy 290	X	X			X	X		X	X		X				
	Chemical 200	X		X			X		X	X		X				
	Chemical 200HT	X				X	X		X	X		X				

CHEMICAL RESISTANCE CHART



PRODUCTS		ACIDS																														
		Acetic Acid 10%	Benzoic Acid-Sat @3%	Boric Acid-Sat @30%	Butyric Acid 10%	Chromic Acid 10%	Citric Acid 50%	Diglycolic Acid	Fatty Acids	Fluoboric Acid	Formic Acid 10%	Hydrochloric Acid 15%	Hydrochloric Acid 37%	Hydrofluoric Acid	Hydrogen Peroxide to 20%	Hydrochlorous Acid 5%	Lactic Acid to 20%	Maleic Acid 30%	Maleic Acid 50%	Methanol Chloride	Methylene Chloride	Nitric Acid 10%	Nitric Acid 30%	Oleic Acid; Oxalic Acid-Sat	Perchloric Acid 35%	Phosphoric Acid 35%	Picric Acid-Sat	Succinic Acid-Sat	Sulfuric Acid 25%	Sulfuric Acid 50%	Sulfuric Acid 98%	Tannic Acid; Tartaric Acid-Sat
Flooring	Krete-Seal 800	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Krete-Seal Fast 820	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Strong-Krete Fast 830	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Strong-Krete Fast 850	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Chemical Mortar 840	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Krete-Seal Fast 820	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Strong-Krete Fast 850	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Chemical Mortar 840	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
Rebuilding Epoxy	Rebuild 101	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Rebuild Underwater 121	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Rebuild Fast 151	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Rebuild Chemical 201	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Rebuild Chemical Fast 251	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	High Temp Putty 1800	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Abrasion 306HT	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Abrasion 301	*	1	1	4	1	1	1	3	4	*	*	*	*	2	1	1	1	*	*	*	*	*	1	4	1	1	1	1	1	*	1
	Abrasion 303	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Abrasion 306	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Abrasion Fast 351	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Abrasion Fast 353	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
	Abrasion Fast 356	*	1	3	4	1	1	1	3	4	*	*	*	*	2	3	3	1	*	*	*	*	*	1	4	3	1	3	3	3	*	1
Epoxy Coating	Metal 400	*	1	2	2	1	1	1	2	4	1	2	*	1	1	2	2	1	1	*	*	1	2	1	2	2	1	2	2	2	*	1
	Metal-Flex 480	*	1	2	2	1	1	1	2	4	1	2	*	1	1	2	2	1	1	*	*	1	2	1	2	2	1	2	2	2	*	1
	Industrial 620	*	1	2	2	1	1	1	2	4	1	2	*	1	1	2	2	1	1	*	*	1	2	1	2	2	1	2	2	2	*	1
	Low Surface Energy 290	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Chemical 200	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
	Chemical 200HT	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
1 = Excellent; Suitable for Immersion 3 = Good; Suitable for Secondary Containment														2 = Very Good; Suitable for Immersion 4 = Fair; Spill / Splash * = Not Recommended																		

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CHEMICAL RESISTANCE CHART



PRODUCTS

		CAUSTICS																				SOLVENTS										
		Aluminum Chloride 50%	Ammonia 20%+	Ammonium Chloride 50%	Ammonium Hydroxide 40%	Ammonium Nitrate-Sat	Ammonium Persulfate	Ammonium Sulfate-Sat	Calcium Chloride 50%	Calcium Hydroxide-Sat	Calcium Hypochlorite 15%	Copper Fluoroborate	Ferric Chloride; Ferrous Sulfate	Sodium Benzoate	Sodium Carbonate (Soda Ash)	Sodium Bicarbonate-Sat	Sodium Bisulfate; Sodium Chloride-Sat	Sodium Glutamate	Sodium Hydroxide to 50%	Sodium Hypochlorite to 10%	Sodium Propionate	Sodium Sulfate; Sulfite-Sat	Trisodium Phosphate-Sat	Zinc Nitrate	Methanol	Ethanol	Butanol; Propanol	Benzene; Xylene; Toluene	Trichloroethane; Cellosolve	Formaldehyde to 37%	Gasoline; Fuel Oil; Crude Oil	Acetone; MEK; Methylene Chloride
Flooring	Krete-Seal 800	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
	Krete-Seal Fast 820	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
	Strong-Krete Fast 830	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
	Strong-Krete Fast 850	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
	Chemical Mortar 840	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	4	
	Krete-Seal Fast 820	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	4	
	Strong-Krete Fast 850	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
	Chemical Mortar 840	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	3	3	3	3	3	3	*	
Rebuilding Epoxy	Rebuild 101	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	4	2	1	1	1	1	1	4	
	Rebuild Underwater 121	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	*	
	Rebuild Fast 151	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	4	2	1	1	1	1	1	4	
	Rebuild Chemical 201	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	Rebuild Chemical Fast 251	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	High Temp Putty 1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	Abrasion 306HT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	Abrasion 301	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
	Abrasion 303	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
	Abrasion 306	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
	Abrasion Fast 351	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
	Abrasion Fast 353	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
	Abrasion Fast 356	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	1	3	*	2	1	1	1	1	1	1	*
Epoxy Coating	Metal 400	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	2	*	2	1	1	1	1	1	*	
	Metal-Flex 480	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	2	*	2	1	1	1	1	1	*	
	Industrial 620	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	2	*	2	1	1	1	1	1	*	
	Low Surface Energy 290	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	Chemical 200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
	Chemical 200HT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	
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EPOXY COATINGS USED IN CONTACT WITH FOOD



In the coatings industry, there are a number of applications where the coating needs to comply with regulations for safe use regarding contact with food. Depending upon the specific application, the requirements of the Food and Drug Administration (FDA) may be applicable.

Epoxy coatings are widely used for applications requiring contact with food. The regulations regarding the required testing and the approval process for epoxy coatings under each of these areas are different. The purpose of this bulletin is to:

- Provide general information on the FDA;
- List the Dura-Coat epoxy coatings that can be used in compliance with the current FDA requirements (e.g., 21 CFR 175.105 and 21 CFR 175.300).

FDA COMPLIANCE

There are two main types of epoxy applications in the food industry which may be subject to the FDA regulations as reported in the Code of Federal Regulations (CFR), Title 21 requirements:

- Resinous and polymeric coatings (21 CFR 175.300), and
- Adhesives (21 CFR 175.105).

Because resinous and polymeric coatings are extremely complex materials and are often crosslinked and of no clearly defined chemical composition, Section 175.300 lists materials which may be used in the manufacture of polymeric coatings intended for use in direct contact with food applications. Similarly, Section 175.105 lists substances that may be used to prepare adhesives. Formulators should keep in mind, however, that it is the finished, formulated system that must comply with these FDA regulations, including the end use and extractive limitations.

An epoxy system that meets the requirements set forth in these regulations is said to be “used in accordance with,” or “used in compliance with CFR Title 21, Part 175.300 or 175.105.” It is not said to be “FDA approved,” because the FDA does not “approve” specific company’ formulated systems. The responsibility of determining a specific epoxy system’ (finished, cured product) compliance is carried out by the system’ manufacturer. The manufacturer should refer to the FDA’ food additive regulations, which are published in Title 21 of the Code of Federal Regulations. For more information about 21 CFR, please go to:

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm>

For information about the US Government Printing Office, who publishes the CFR, please call 202.512.1800 or go to

<https://www.gpo.gov/contact.htm> for contact information.

FOLLOWING THE LIST OF EPOXY COATINGS IN COMPLIANCE WITH FDA 21 CFR 175.300 AND FDA 21 CFR 175.105

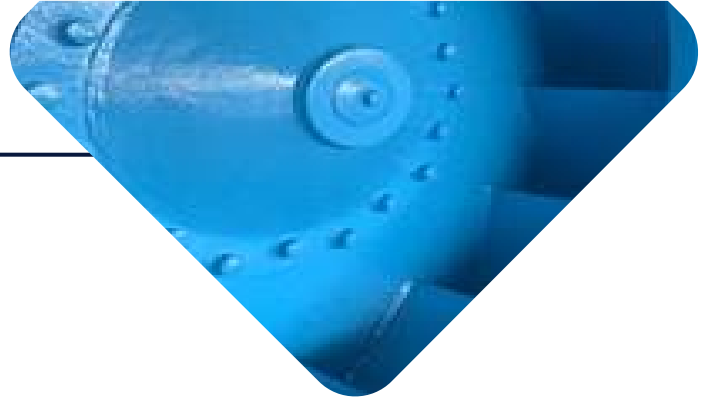
- Dura-Coat Metal 400
- Dura-Coat Rebuild 101
- Dura-Coat Rebuild Fast 151
- Dura-Coat Rebuild Chemical 201
- Dura-Coat Rebuild Chemical Fast 251
- Dura-Coat High Temp Putty 1800
- Dura-Coat Low Surface Energy 290
- Dura-Coat Chemical 200
- Dura-Coat Chemical 200HT
- Dura-Coat Krete-Chemical 870





CORROSION AND ABRASION

DURA-COAT METAL 400



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Metal 400 is a solvent free, ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Metal 400 can be easily applied by brush or roller up to 25 mils without slump.

- It can be applied up to 25 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

APPLICATION AREAS:

- Bins and Silos
- Heat exchangers
- Pump cases
- Impellers
- Screw conveyors
- Fans and housings
- Tank linings
- Metallic structures
- Waterboxes
- Valves
- Many others

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	90°C 150°C	194°F 320°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 0.635 mm (25mils)		No sag	
Coverage for 7.5Kg kit	115sf @20mils	10.7m ² @500 micron	
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 -95°F (13 -35°C)		



DURA-COAT METAL-FLEX 480

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Metal-Flex 480 is a high elongation, elastomeric, hybrid-epoxy. It is ideally suited for cavitation and abrasion, and it is completely compatible with epoxy coatings. The elastomeric aspect delivers a tough, flexible resilience while the epoxy aspect provides improved water and chemical resistance and shelf stability. Metal-Flex 480 epoxy reactivity eliminates the moisture sensitivity and toxicity associated with traditional urethanes. Metal-Flex 480 is easily applied up to 25 mils without slump.

- It can be applied up to 25 mils without slump
- Suitable for cavitation, corrosion and abrasion protection
- Suitable for any substrate, steel, aluminum, concrete, bronze
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Bins and Silos
- Screw conveyors
- Waterboxes
- Heat exchangers
- Fans and housings
- Valves
- Pump cases
- Tank linings
- Many others
- Impellers
- Metallic structures

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	82°C 93°C	180°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Good Fair Fair Poor	
Elongation		70%	
Specific Gravity		1.4	
Viscosity		Light Paste	
Pot life		55 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 0.6mm (25mils)		No sag	
Coverage for 10Kg kit	154sf @20mils	14.3m2 @500 micron	
Mix Ratio	1:1 by Weight		Base: Activator
Color	Grey, Blue, Red		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



DURA-COAT INDUSTRIAL 620

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Industrial 620 is a solvent free, ceramic filled coating designed particularly as a protective coating for metals in industrial environments. Excellent in a wide array of environments. Dura-Coat Industrial 620 can be easily applied by brush, roller and spray up to 25 mils without slump.

- It can be applied up to 25 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

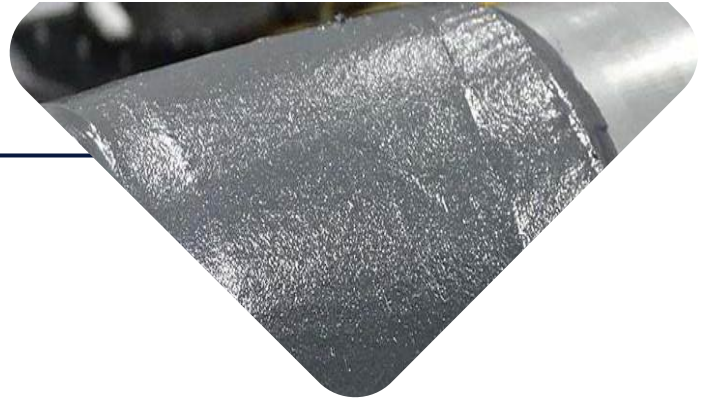
APPLICATION AREAS:

- Bins and Silos
- Heat exchangers
- Pump cases
- Impellers
- Screw conveyors
- Fans and housings
- Tank linings
- Metallic structures
- Waterboxes
- Valves
- Many others

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm2 (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm2 (2 3.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 0.635 mm (25mils)		No sag	
Coverage for 7.5Kg kit	115sf @20mils	10.7m2 @500 micron	
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 -95°F (13 -35°C)		

DURA-COAT REBUILD 101



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rebuild 101 is a two component ambient-temperature curing epoxy putty. It is designed particularly as a rebuilding material for metals in dry and immersion service Dura-Coat Rebuild 101 is convenient-to-use, non-sagging with good chemical resistance and high mechanical strength.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts.

APPLICATION AREAS:

- Shafts
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	90°C 160°C	194°F 320°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @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 -95°F (13 -35°C)		



DURA-COAT REBUILD UNDERWATER 121

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rebuild Underwater 121 is a surface tolerant two component ambient-temperature curing epoxy putty. It is designed particularly as a rebuilding material for metals in wet or underwater application. Dura-Coat Rebuild Underwater 121 is convenient-to-use, non-sagging with good chemical resistance and high mechanical strength.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for splash zones and submerged repairs

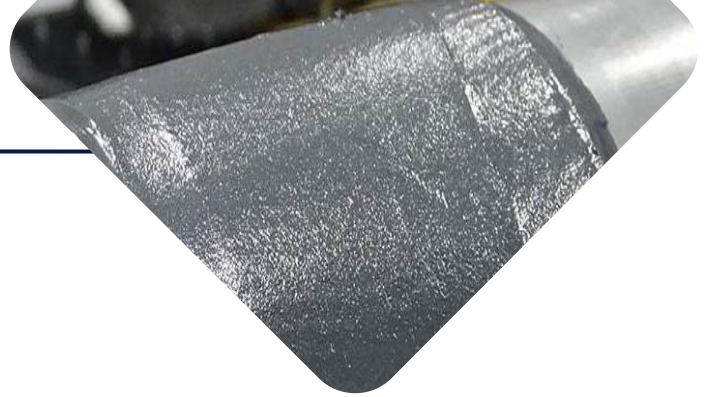
APPLICATION AREAS:

- Splash zone piles
- Maritime repairs
- Many others
- Submerged repairs
- Pipeline repair
- Wet areas
- Valves
- Damp areas
- Tanks

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	65°C 120°C	149°F 248°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm2 (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm2 (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	54sf @40mils	5m2 @1mm	
Mix Ratio	1:1 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 -95°F (13 -35°C)		

DURA-COAT REBUILD FAST 151



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rebuild Fast 151 is a two component ambient-temperature FAST CURING epoxy putty. It is designed particularly as a rebuilding material for metals in dry and immersion service Dura-Coat Rebuild Fast 151 is convenient-to-use, non-sagging with good chemical resistance and high mechanical strength.

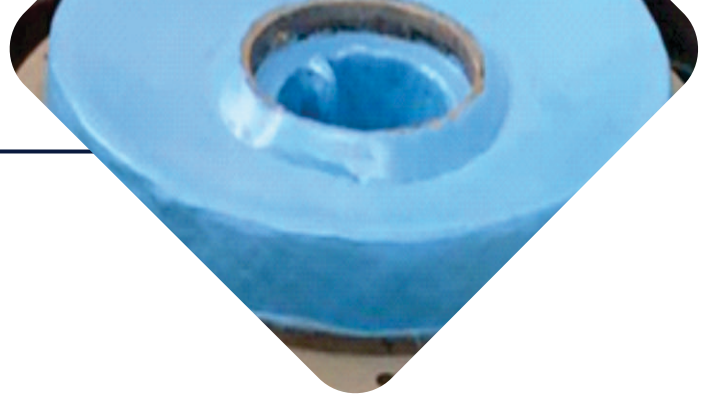
- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts
- It can be applied up to 500 mils without slump

APPLICATION AREAS:

- Shafts
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	90°C 160°C	194°F 320°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @1mm	
Coverage		Varies with thickness applied	
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 -95°F (13 -35°C)		



DURA-COAT ABRASION 301

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion 301 is a solvent free, ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion 301 can be easily applied by plastic squeegee or putty knife up to 500 mils without slump.

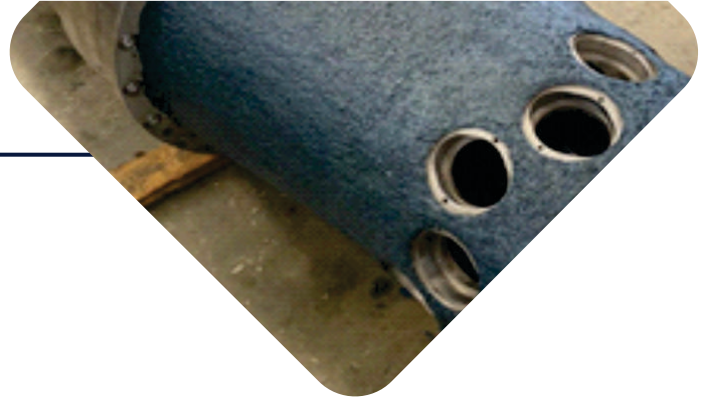
- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm2 (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm2 (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	25sf @80mils	2.3m2 @2mm	
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 -95°F (13 -35°C)		



DURA-COAT ABRASION 303

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion 303 is a solvent free, ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion 303 can be easily applied by plastic squeegee or putty knife up to 500 mils without slump.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	16sf @ 120mils	1.5m ² @ 3mm	
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 -95°F (13 -35°C)		

DURA-COAT ABRASION 306



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion 306 is a solvent free, ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion and strong impact resistance. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion 306 can be easily applied by plastic squeegee or putty knife up to 1000 mils without slump.

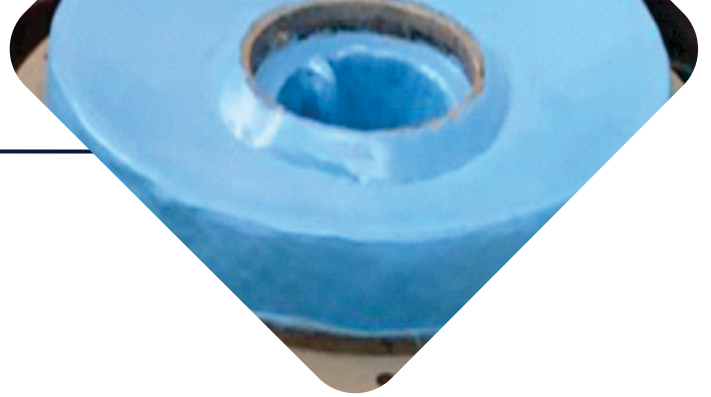
- It can be applied up to 1000 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	8.6sf @240mils	0.8m ² @6mm	
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 -95°F (13 -35°C)		



DURA-COAT ABRASION FAST 351

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion Fast 351 is a solvent free, FAST CURING ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion Fast 351 can be easily applied by plastic squeegee or putty knife up to 500 mils without slump.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

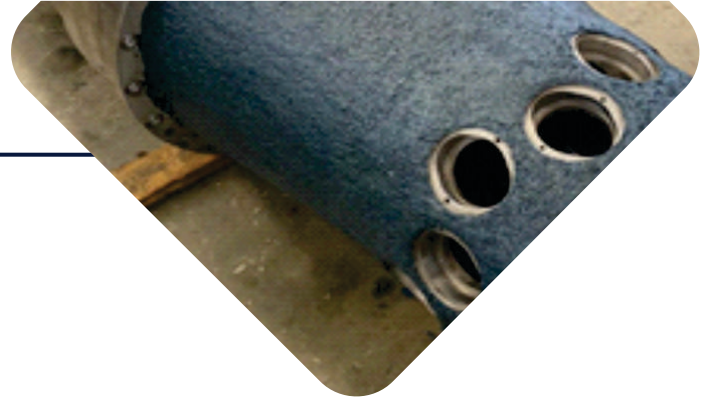
APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	25sf @80mils	2.3m ² @2mm	
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 -95°F (13 -35°C)		

DURA-COAT ABRASION FAST 353



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion Fast 353 is a solvent free, FAST CURING ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion Fast 353 can be easily applied by plastic squeegee or putty knife up to 500 mils without slump.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	16sf @120mils	1.5m ² @3mm	
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 -95°F (13 -35°C)		



DURA-COAT

ABRASION FAST 356

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion Fast 356 is a solvent free, FAST CURING ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments especially high wear abrasion and strong impact resistance. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion Fast 356 can be easily applied by plastic squeegee or putty knife up to 1000 mils without slump.

- It can be applied up to 500 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

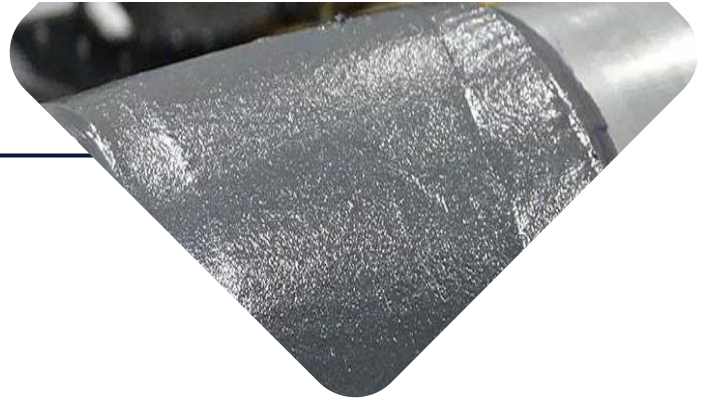
TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (2 3.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12.7mm (500mils)		No sag	
Coverage for 10Kg kit	8.6sf @240mils	0.8m ² @6mm	
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 -95°F (13 -35°C)		



AGRESSIVE CHEMICALS

DURA-COAT REBUILD CHEMICAL 201



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rebuild Chemical 201 is a solvent free, high functionality Novolac Epoxy coating. It is designed particularly as a rebuilding material for metals in highly aggressive chemical and temperature immersion service Dura-Coat Rebuild Chemical 201 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.

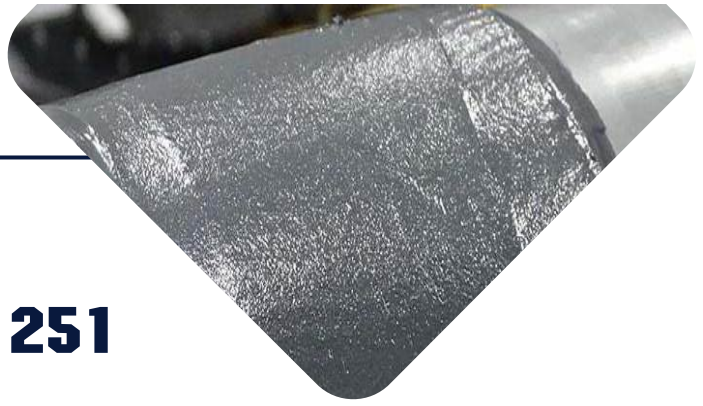
- It can be applied up to 500 mils without slump
- Ideally suited for restoration cladding material for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service

APPLICATION AREAS:

- Shafts
- Chemical storage tanks
- Scrubbers
- Heat exchangers
- Fans and housings
- Mix Zones
- Electric power plant
- Pump cases
- Hot oil pipeline break
- Ducts
- Impellers

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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	15mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2")		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @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 -95°F (13 -35°C)		



DURA-COAT REBUILD CHEMICAL FAST 251

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rebuild Chemical Fast 251 is a solvent free, high functionality Novolac Epoxy coating and with FAST CURING agent. It is designed particularly as a rebuilding material for metals in highly aggressive chemical and temperature immersion service Dura-Coat Rebuild Chemical Fast 251 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 40 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

APPLICATION AREAS:

- Chimneys
- Exhaust gas ducts
- Scrubbers
- Heat exchangers
- Fans and housings
- Valves
- Pump cases
- Tank linings
- Many others
- Impellers
- Metallic structures

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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	15mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2")		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @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 -95°F (13 -35°C)		

DURA-COAT ABRASION 306HT



DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Abrasion 306HT is a solvent free, High functionality Novolac Epoxy ceramic filled coating designed particularly as a protective coating for metals in highly aggressive environments, high temperature up to 280 C. It is especially high wear abrasion and strong impact resistant. Excellent in a wide array of caustics and acids. Dura-Coat Abrasion 306HT can be easily applied by plastic squeegee or putty knife up to 1000 mils without slump.

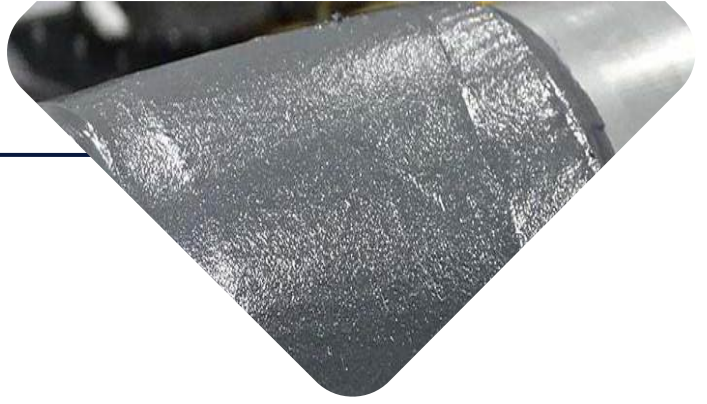
- It can be applied up to 1000 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for rebuilding worn parts

APPLICATION AREAS:

- Pipe elbows
- Screw conveyors
- Chutes and hoppers
- Propellers
- Fans and housings
- Wear plates
- Pump cases
- Bins
- Many others
- Impellers
- Coal crushers

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)	560 kg/cm ² (60.7 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	83	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2")		No sag	
Coverage for 10Kg kit	8.6sf @240mils	0.8m ² @6mm	
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 -95°F (13 -35°C)		



DURA-COAT METAL REBUILD 261

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Metal Rebuild 261 is a solvent free, high functionality Novolac Epoxy coating and with FAST CURING agent. It is designed particularly as a rebuilding material for metals in highly aggressive chemical and temperature immersion service Dura-Coat Metal Rebuild 261 is convenient-to-use, non-sagging, with addition of machinable steel, 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
- Machinable
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Shafts
- Chemical storage tank
- Scrubbers
- Heat exchangers
- Fans and housings
- Mix Zones
- Pipelines
- Pump cases
- Hot oil pipeline break
- Ducts
- Impellers

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	230°C 280°C	450°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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	279 kg/cm ² (27.4 MPa)	3,970 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	85	
Taber Abrasion C S-10, 1000g, 1000 Cycles	(ASTM D 4060)	15mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2")		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @1mm	
Mix Ratio	1:1 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 -95°F (13 -35°C)		

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.

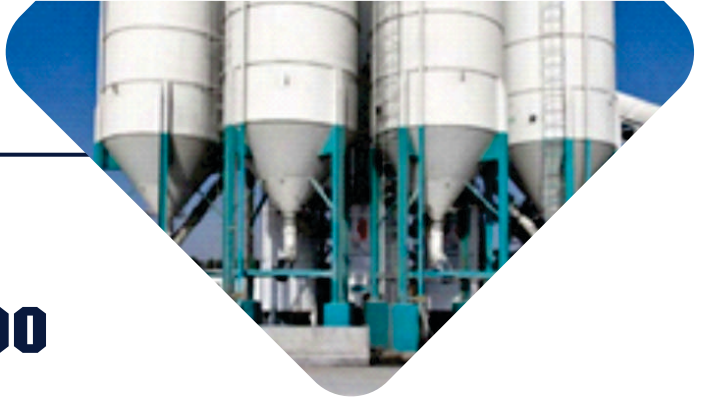
- It can be applied up to 500 mils without slump
- Ideally suited for restoration cladding material for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service.

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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	15mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 12mm (1/2")		No sag	
Coverage for 10Kg kit	54sf @40mils	5m ² @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 -95°F (13 -35°C)		



DURA-COAT

LOW SURFACE ENERGY 290

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Low Surface Energy 290 is a solvent free, ceramic filled coating designed particularly to avoid build up of stick powders and also provides chemical and abrasion protection. Excellent in a wide array of caustics and acids. Dura Coat Low Surface Energy 290 can be easily applied by brush or roller up to 40 mils without slump.

- It can be applied up to 40 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

APPLICATION AREAS:

- Bins
- Silos
- Tanks
- Impellers
- Screw conveyors
- Air moving conveyors
- Many others
- Metallic structures
- Blowers
- Fans

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	230°C 280°C	450°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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 1mm (40mils)		No sag	
Coverage for 10Kg kit	154sf @20mils	14.3m ² @500 micron	
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 -95°F (13 -35°C)		

DURA-COAT CHEMICAL 200HT

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Chemical 200HT is a solvent free, high functionality Novolac Epoxy ceramic filled coating designed particularly as a protective coating for metals in highly aggressive chemical environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Chemical 200HT can be easily applied by brush or roller up to 40 mils without slump. It is able to withstand up to 230°C continuous operation and up to 280°C intermittently.

- It can be applied up to 40 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

APPLICATION AREAS:

- Chimneys
- Exhaust gas ducts
- Scrubbers
- Heat exchangers
- Fans and housings
- Valves
- Pump cases
- Tank linings
- Many others
- Impellers
- Metallic structures

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	230°C 280°C	450°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/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 1mm (40mils)		No sag	
Coverage for 7.5Kg kit	115sf @20mils	10.7m ² @500 micron	
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 -95°F (13 -35°C)		

DURA-COAT CHEMICAL 200

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Chemical 200 is a solvent free, high functionality Novolac Epoxy ceramic filled coating designed particularly as a protective coating for metals in highly aggressive chemical environments especially high wear abrasion. Excellent in a wide array of caustics and acids. Dura-Coat Chemical 200 can be easily applied by brush or roller up to 40 mils without slump.

- It can be applied up to 40 mils without slump
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection

APPLICATION AREAS:

- Chimneys
- Exhaust gas ducts
- Scrubbers
- Heat exchangers
- Fans and housings
- Valves
- Tank linings
- Many others
- Impellers
- Metallic structures

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Excellent Excellent Excellent	
Flexural Strength	(ASTM D 790)	620 kg/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 1mm (40mils)		No sag	
Coverage for 10Kg kit	154sf @20mils	14.3m ² @500 micron	
Mix Ratio	1:1 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 -95°F (13 -35°C)		



CONCRETE AND FLOORING

DURA-COAT KRETE-SEAL 800

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Krete-Seal 800 is a two component ambient-temperature curing epoxy coating. It is designed particularly as sealing and protection coating for concrete. Its low viscosity allows the Dura-Coat Krete-Seal 800 to flow easily, sealing cracks and filling pits. Dura-Coat Krete-Seal 800 is convenient-to-use, non-sagging easily applied by brush, roll and spray. It is an excellent primer for using with Dura-Coat concrete top coats.

- It is usually applied with 8-10 mils
- Prevent vapors to rise from substrate
- Suitable for priming concrete with topcoat
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Chemical tanks
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Neutralization tanks
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm2 (60.7 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm2 (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm2 (20.7 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 0.25mm (10mils)		No sag	
Coverage for 10Kg kit	355sf @10mils	33m2 @250 micron	
Mix Ratio	1.9:1 by Weight		Base: Activator
Color	Clear Amber		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



DURA-COAT INDUSTRIAL FLOOR 600

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Industrial floor 600 is a solvent free, Epoxy coating ambient-temperature curing. It is designed particularly as protection coating for concrete floor, Dura-Coat Industrial Floor 600 is convenient-to-use, self-leveling with excellent traffic resistance and high mechanical strength.

- Easy to apply and quick back in service
- Ideally suited for concrete protection
- Suitable for and abrasion protection
- Suitable for high traffic

APPLICATION AREAS:

- Industrial areas
- High traffic areas
- Maintenance shop
- Aisle-ways
- Warehouse
- Manufacturing areas

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	82	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	65mg	
Pot life		25 MIN / KG at 72°F	
Coverage for 10Kg kit	83sf @40mils	7.7m ² @1mm	
Mix Ratio	2:1 by Weight		Base: Activator
Color	Black, Cream, Grey, Dark Grey, Light Grey, Blue, Yellow, Tan, red		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		

DURA-COAT KRETE-SEAL FAST 820

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Krete-Seal Fast 820 is a two component ambient-temperature curing epoxy coating. It is designed particularly as sealing and protection coating for concrete. Its low viscosity allows the Dura-Coat Krete-Seal Fast 820 to flow easily, sealing cracks and filling pits. Dura-Coat Krete-Seal Fast 820 is convenient-to-use, non-sagging easily applied by brush, roll and spray. It is an excellent primer for using with Dura-Coat concrete top coats.

- It is usually applied with 8-10 mils
- Prevent vapors to rise from substrate
- Suitable for priming concrete with topcoat
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Chemical tanks
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Neutralization tanks
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM D 790)	560 kg/cm ² (60.7 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	240 kg/cm ² (20.7 MPa)	3,400 psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 0.25mm (10mils)		No sag	
Coverage for 10Kg kit	355sf @10mils	33m ² @250 micron	
Mix Ratio	1.9:1 by Weight		Base: Activator
Color	Clear Amber		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



DURA-COAT STRONG-KRETE 830

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Strong-Krete 830 is a three component ambient-temperature curing epoxy coating with quartz(SiO₂) reinforcement aggregate. It is designed particularly as rebuild and protection for concrete from chemicals and heavy traffic service. Dura-Coat Strong-Krete 830 is convenient-to-use, non-sagging with excellent high chemical resistance and high mechanical strength.

- It can be easily applied by trowel 240 mils without slump
- Ideally suited for concrete protection for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Industrial floor
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Heavy traffic floor
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Intermittent Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM C 580)	295 kg/cm ² (28.9 MPa)	4,200 psi
Tensile Strength	(ASTM C 307)	200 kg/cm ² (19.6 MPa)	2,850 psi
Compressive Strength	(ASTM C 579)	655 Kg/cm ² (64.2 MPa)	9,320 psi
Flexural Modulus	(ASTM C 580)	9.8 x 10 ⁴ kg/cm ²	1.4 x 10 ⁶ psi
Thermal compatibility to concrete	(ASTM C 884)	Pass	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	65mg	
Pot life		45 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 6mm (240mils)		No sag (With Krete -Seal 800 Primer)	
Coverage	97sf @240mils per kit	9m ² @6mm per kit	
Mix Ratio	1.9:1 by Weight	Base:Activator 1:5 by weight	Resin mix:Quartz
Color	Grey as standard and Red optional .		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



DURA-COAT STRONG-KRETE FAST 850

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Strong-Krete Fast 850 is a three component ambient-temperature curing epoxy coating with quartz(SiO_2) reinforcement aggregate. It is designed particularly as rebuild and protection for concrete from chemicals and heavy traffic service. Dura-Coat Strong-Krete Fast 850 is convenient-to-use, non-sagging with excellent high chemical resistance and high mechanical strength.

- It can be easily applied by trowel 240 mils without slump
- Ideally suited for concrete protection for corrosion
- Suitable for abrasion protection
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Industrial floor
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Heavy traffic floor
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Intermittent Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Good Good Good	
Flexural Strength	(ASTM C 580)	295 kg/cm ² (28.9 MPa)	4,200 psi
Tensile Strength	(ASTM C 307)	200 kg/cm ² (19.6 MPa)	2,850 psi
Compressive Strength	(ASTM C 579)	655 Kg/cm ² (64.2 MPa)	9,320 psi
Flexural Modulus	(ASTM C 580)	9.8 x 10 ⁴ kg/cm ²	1.4 x 10 ⁶ psi
Thermal compatibility to concrete	(ASTM C 884)	Pass	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	65mg	
Pot life		25 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 6mm (240mils)		No sag (With Krete -Seal 800 Primer)	
Coverage	97sf @240mils per kit	9m ² @6mm per kit	
Mix Ratio	1.9:1 by Weight	Base:Activator 1:5 by weight	Resin mix:Quartz
Color	Grey as standard and Red optional.		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



DURA-COAT CHEMICAL MORTAR 840

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Chemical Mortar 840 is a three component ambient-temperature curing High Functionality Novolac epoxy coating with quartz(SiO_2) reinforcement aggregate. It is designed particularly as rebuild and protection for concrete from strong chemicals and heavy traffic service. Dura-Coat Chemical Mortar 840 is convenient-to-use, non-sagging with excellent high chemical resistance and high mechanical strength.

- It can be easily applied by trowel 240 mils without slump
- Ideally suited for concrete protection for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Industrial floor
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Heavy traffic floor
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Intermittent Service	65°C 85°C	149°F 185°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Excellent Excellent Excellent	
Flexural Strength	(ASTM C 580)	295 kg/cm ² (28.9 MPa)	4,200 psi
Tensile Strength	(ASTM C 307)	200 kg/cm ² (19.6 MPa)	2,850 psi
Compressive Strength	(ASTM C 579)	655 Kg/cm ² (64.2 MPa)	9,320 psi
Flexural Modulus	(ASTM C 580)	9.8 x 10 ⁴ kg/cm ²	1.4 x 10 ⁶ psi
Thermal compatibility to concrete	(ASTM C 884)	Pass	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	65mg	
Pot life		45 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 6mm (240mils)		No sag (With Krete -Seal 800 Primer)	
Coverage	129sf@240mils per kit	12m ² @6mm per kit	
Mix Ratio	1.5:1 by Weight	Base:Activator 1:5 by weight	Resin mix:Quartz
Color	Grey as standard and Red optional .		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		

DURA-COAT KRETE-CHEMICAL 870

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Krete-Chemical 870 is a solvent free, high functionality Novolac Epoxy coating ambient-temperature curing. It is designed particularly as protection coating for concrete highly aggressive chemical immersion and spills service Dura-Coat Krete-Chemical 870 is convenient-to-use, non-sagging with excellent high mechanical strength.

- It can be applied up to 40 mils without slump
- Ideally suited for concrete protection for corrosion
- Suitable for and abrasion protection
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Chemical tanks
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Neutralization tanks
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Excellent Excellent Excellent Excellent	
Flexural Strength	(ASTM D 790)	620 kg/cm ² (60.7 MPa)	8,800 psi
Pull-Off Adhesion	(ASTM D 4541)	330 kg/cm ² (32.4 MPa)	4,700 psi
Tensile Strength	(ASTM D 638)	211 kg/cm ² (20.7 MPa)	3,000 psi
Flexural Modulus	(ASTM D 790)	6.9 x 10 ⁴ kg/cm ²	9.9 x 10 ⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	80	
Taber Abrasion CS -10, 1000g, 1000 Cycles	(ASTM D 4060)	35mg	
Pot life		35 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 1mm (40mils)		No sag	
Coverage for 10Kg kit	76sf @40mils	7.1m ² @1mm	
Mix Ratio	1:1 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 -95°F (13 -35°C)		

DURA-COAT KRETE-FLEX 880

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Krete-Flex 880 is a high elongation, elastomeric, hybrid-epoxy. It is ideally suited for expansion joint sealing and crack repair, and it is completely compatible with epoxy coatings. The elastomeric aspect delivers a tough, flexible resilience while the epoxy aspect provides improved water and chemical resistance and shelf stability. Krete-Flex 880 epoxy reactivity eliminates the moisture sensitivity and toxicity associated with traditional urethanes. Krete-Flex 880 is a light paste and is easily applied up to 250 mils without slump.

- It can be applied up to 250 mils without slump
- Ideally suited for concrete protection for corrosion
- Suitable for joints and cracks
- Suitable for immersion and non-immersion service.

APPLICATION AREAS:

- Secondary containment
- Chemical tanks
- Concrete walls
- Sumps
- Pump base
- Concrete channels
- Drains
- Neutralization tanks
- Equipment bases
- Pits
- Chemical processing floor

TECHNICAL DATA:

Maximum Temperature (Dependent on service)	Wet Service Dry Service	82°C 93°C	180°F 200°F
Chemical Resistance	Water Alkalis Inorganic Acids Organic Acids Organic Solvents	Excellent Good Fair Fair Poor	
Elongation		70%	
Specific Gravity		1.4	
Viscosity		Light Paste	
Pot life		55 MIN / KG at 72°F	
Vertical SAG Resistance at 21C (70F) and 6.4mm (250mils)		No sag	
Coverage for 10Kg kit	26sf @120mils	2.4m2 @3mm	
Mix Ratio	1:1 by Weight		Base: Activator
Color	Grey		
Shelf life (unopened containers)	3 Years at 55 -95°F (13 -35°C)		



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