DURA-COAT
ABRASION FAST 356 PLUS

DESCRIPTION AND RECOMMENDED USES

100% solids, Dura-Coat Abrasion Fast 356 Plus is a fast-curing, solvent-free ceramic coating designed specifically as a protective coating for metals in highly aggressive environments, especially high-wear abrasion and high-impact resistance. Excellent in a wide range of caustics and acids. Dura-Coat Abrasion Fast 356 Plus is typically applied on molds due to its high density.

- Applied on molds
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion and abrasion protection
- Designed for the reconstruction of worn parts

PACKAGES

OPTIONS	SIZE	REORDER #
	1kg	356P-01
	2kg	356P-02
	10kg	356P-10
	20kg	356P-20

APPLICATION AREAS

- Pipe elbows
- Wear plates
- Cyclones
- Chutes
- Pump bodies
- Hoppers
- Many others

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	
Solids by Volume		100%	
Viscosity		Paste	
Mixed Density		2.2	
Shore D Durometer Hardness	(ASTM D 2240)	86	
Pot Life		25 min / kg at 72°F	
Vertical SAG Resistance at 21°C (70°F) and 12.7mm (500mils)		No sag	
Mix Ratio	2:1 by weight		Base: Activator
Color	Blue as standard. Gray and red optional. Other colors contact the manufacture		
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		

DURA-COAT®

DURA-COAT
ABRASION FAST 356 PLUS

SURFACE PREPARATION

Proper surface preparation is fundamental for the long-term performance of this product. The exact requirements for surface preparation vary with the severity of the application, expected service life, and initial substrate conditions. All sharp edges and welds should be ground to a 3 mm (120 mil) radius with an abrasive disc. Optimal preparation will provide a thoroughly clean surface free of all contaminants and roughened to an angular profile between 75-125 m (3-5 mil). This is typically achieved through initial cleaning and degreasing, followed by abrasive blasting to achieve a near-white metal cleanliness or mechanical preparation.

MIXING

Mix the activator thoroughly into the base using the mixing rod, scraping the sides and bottom of the container. Mix by weight, 2 parts Base to 1 part Activator. Mix thoroughly to produce a uniform material without streaks. Never add solvents.

CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
TACK FREE	45 mins.	30 mins.	20 mins.
LIGHT LOAD	1 hour	45 mins.	30 mins.
OVERCOAT END	1 hour	45 mins.	30 mins.
FULL LOAD	1.5 hours	1 hour	45 mins.
FULL CHEMICAL	4 hours	3 hours	2 hours

APPLICATION

Use a heavy-duty plastic broom or putty knife to apply a minimum thickness of 6mm. Work the material into the substrate profile to achieve maximum adhesion and eliminate any trapped air. Contour to correct shape with a putty knife or plastic applicator. If a mold or form is used, make sure to coat its surface with a release agent to prevent material adhesion.

APPLICATION TEMPERATURE

Keep between 55 to 95°F (17 to 35°C). Substrate: keep between 45 to 105°F (7 to 40°C). The difference in temperature of the substrate and the material should never exceed 10°F, 5°C. Substrate shall be a minimum of 5°F (3°C) above dew point. Do not apply if relative humidity exceeds 90%. If necessary, heat the metal prior to surface preparation using electric heater or heat lamp. Never use gas, oil, or kerosene heaters as they will leave a greasy residue on metal surface. For best results keep all material in warm area overnight (75°F+) for ease of mixing.

CLEAN UP

Tools must be immediately cleaned after usage by using industrial alkaline detergent.

SAFETY

Before using any products, review the appropriate Safety Data Sheet (SDS) or Safety Sheet for your area. Follow standard confined space entry and work procedures, if appropriate.

3/26

+1 (561) 757-5620 | dura-coat@dura-coat.net | www.dura-coat.net | 12481 NW 44th Street, Coral Springs, Florida, 33065, USA

ISO 14001 CERTIFIED | ISO 9001 CERTIFIED | ISO 45001 CERTIFIED