Dura-Coat Krete-Seal 800

Technical Data Sheet

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	✓Sumps	✓Drains	✓Pits
✓Chemical tanks	✓Pump base	✓Chemical processing floors	✓Neutralization tanks
✓Concrete walls	✓Concrete channels		✓Equipment bases

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 72ºF	
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 55-95ºF (13-35ºC)		

Application Sheet

Surface Preparation

Proper surface preparation is critically important for the long-term performance of the Dura-Coat Krete-Seal 800. The prepared concrete surface must be structurally sound, free from all contaminants and roughened to an >ICRI CSP 3 profile (similar to #60 grit sandpaper). If a vapor barrier is not present, check for vapor transmission.

Surface Cleaning & Profiling Methods

Hydro-Blasting	Scarifying
Steel Shot-Blasting	Dry Abrasive Blasting

Mixing

Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade scraping sides and bottom of container or mixing board. Mix by Weight 1.9-part Base to 1-part Activator. Mix thoroughly to produce an even colored and streak-free material. **THINNING: Never thin**.

Application

Application temperature range 10°C (50°F)-32°C (90°F) (substrate).
Dura-Coat Krete-Seal 800 may be applied by spray system, brush, or roller.
Brush: medium to stiff bristle of sufficient quality that bristles do not pull out and stick in coating (epoxy glued bristles are best). Trim or tape to <1" nap.
Roller: use good quality 1/8" nap.
To avoid sagging on vertical surfaces the maximum wet film thickness should be between 200 µm-250 µm (8-10 mil) per coat

Curing Schedule

	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	4 hrs.	2 hrs.	1 hr.
Light Load	12 hrs.	6 hrs.	3 hrs.
Overcoat End	16 hrs.	10 hrs.	5 hrs.
Full Load	24 hrs.	12 hrs.	6 hrs.
Full Chemical	48 hrs.	24 hrs.	12 hrs.

Clean Up

Use commercial solvents (Acetone, Xylene, Alcohol, Methyl Ethyl Ketone) to clean tools immediately after use. Once cured, the material would have to be abraded off.

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.