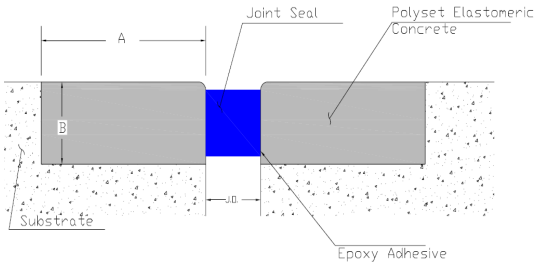
Ply-Krete® LV

Technical Bulletin

Ply-Krete® LV is low-viscosity, two-component, moisture insensitive, 100% solid, elastomeric concrete. It is designed as an expansion joint header to preserve and protect concrete decks and substructures by preventing water absorption and minimizing chloride intrusion. **Ply-Krete® LV** is a fast-setting elastomeric concrete with high, early strengths to help ensure a quick return of traffic.



Polyset Joint System

Key Features

- Low viscosity for easier mixing
- Fast setting
- Moisture insensitive
- High abrasion resistance
- Excellent load bearing characteristics
- Excellent thermal shock resistance
- Excellent adhesion to various substrates
- Excellent impact resistance
- Waterproof and chemical resistant
- Resistant to UV and ozone exposure
- Resistant to freeze-thaw changes

Other Applications

- Patching concrete and asphalt
- Railroad crossings
- Warehouse floors
- Waterproof protective membrane coating
- Skid resistant overlay for bridge decks & other structures

Shelf Life: Two years in the original, unopened containers

Storage: Store between 60-100°F

Physical Data

Appearance @ 25°C			
	Part "A"	**Part "B"**	**Mixed**
Packaging	1 Can	1 Can	With 1 Bag Agg
Color	Straw	Black	Black
Viscosity, cps	700 ± 200	1200 ± 300	-
Wt./gal., lb	9.3 ± 0.2	9.3 ± 0.2	-
Yield	-	-	0.52 ft³
Ratio & Cure			
Mix Ratio	1 Part "A"	1 Part "B"	By Volume
	100 "A"	100 "B"	By Weight
Mix A & B well, then add supplied aggregate			
Cure	Gel Time @ 25°C		15-25 Min.
Initial Cure	1-3 Hrs	Less if Aggregate is Preheated	
Strengths with Aggregate (Aggregate Type Affects Results)			
Compressive Strength, psi	5,000 Min.		ASTM D695
Resilience @ 5% Dfl	95% Min.		ASTM C579
Brittleness ± 1 ft-lb	10 ft-lb Min.		Ball Drop
Strengths with Binder Only			
Percent Elongation	50 Min.		ASTM D638
Tensile Strength, psi	1450 Min.		ASTM D638
Tear Strength, pli	275 Min.		ASTM D624
Shore D Hardness	60 Min.		ASTM D2240
Bond Strength To Dry Concrete To Wet Concrete	 500 psi 275 psi		ASTM D624

For installation instructions, please refer to the "Elastomeric Concrete Installation Instructions Technical Bulletin". For health and safety information, please refer to the MSDS. **KEEP OUT OF REACH OF CHILDREN.**

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