



Ply-Krete® UV Gray

Technical Bulletin

Ply-Krete® UV Gray is a fast-setting, low-viscosity, two-component 100% solid, modified 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 and spalled edges. **Ply-Krete® UV Gray** is color stable to resist the weathering most other epoxies fade under.

Key Features

- Flexible, but tough
- High abrasion resistance
- Easy mixing and fast setting
- Excellent impact resistance
- Excellent thermal shock resistance
- Very good solvent and chemical resistance
- Ideal for quick repairs to expansion joints
- Excellent adhesion to various substrates
- Resistant to freeze-thaw changes

Other Applications

- Pothole patching material in concrete
- Repairing control joints in concrete decks and roadways
- Filling control joints in concrete floors

Packaging

Standard stock "KIT" consist of 3/4 gallon "A" + 3/4 gallon "B" + supplied aggregate to yield approximately 1/2 cu. ft./"kit". Larger packaging available upon request.

Mixing

Mix according to specified mixing ratio with approved mixer or dispensing equipment. For proper installation instructions, please refer to the "Ply-Krete® Installation Instructions" Technical Bulletin. For health and safety information, please refer to the SDS.

Storage: Store between 65– 90°F

Shelf Life: One year in the original, unopened containers

Physical Data Typical properties, not intended for specifications

Appearance @ 25°C			
	Part “A” Hardener	Part “B” Resin	Mixed
Packaging	1 Can 3/4 gal	1 Can 3/4 gal	With 1 Bag Aggregate
Color	Clear	Gray	Grey
Viscosity, cps	3580 ± 100	800 ± 50	-
Wt./gal., lb	9.59 ± 0.1	8.38 ± 0.1	-
Ratio & Cure: Mix A & B Well, then Add Supplied Agg.			
Mix Ratio	1 Part “A”	1 Part “B”	By Volume
	100 “A”	86.7 “B”	By Weight
Cure	Gel Time @ 25°C (w/o Aggregate)		8 -12 Mins.
Initial Cure	2 Hrs. @ 25°C	With Supplied Aggregate	
Properties with Aggregate (Aggregate Type Affects Results)			
Compressive Strength, psi	2500 Min		ASTM C579
Resilience @ 5% Dfl	95% Min		ASTM C579
Brittleness ± 1 ft-lb	7 ft-lb Min		Ball Drop
Bond Strength (to Concrete)	400 psi		ASTM C882
Shore D Hardness	50 Min		ASTM D2240
Splitting Tensile Strength	650 Min		ASTM D3967
Properties with Binder Only			
Percent Elongation	150 Min		ASTM D638
Tensile Strength, psi	2000 Min		ASTM D638
Tear Strength, pli	200 Min		ASTM D624

KEEP OUT OF REACH OF CHILDREN

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