

## 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
<b>Packaging</b>	1 Can 3/4 gal	1 Can 3/4 gal	With 1 Bag Aggregate
<b>Color</b>	Clear	Gray	Grey
<b>Viscosity, cps</b>	3580 ± 100	800 ± 50	-
<b>Wt./gal., lb</b>	9.59 ± 0.1	8.38 ± 0.1	-
Ratio & Cure: <i>Mix A &amp; B Well, then Add Supplied Agg.</i>			
<b>Mix Ratio</b>	1 Part "A"	1 Part "B"	By Volume
	100 "A"	86.7 "B"	By Weight
<b>Cure</b>	Gel Time @ 25°C (w/o Aggregate)		8 -12 Mins.
<b>Initial Cure</b>	2 Hrs. @ 25°C	With Supplied Aggregate	
Properties with Aggregate (Aggregate Type Affects Results)			
<b>Compressive Strength, psi</b>	2500 Min		ASTM C579
<b>Resilience @ 5% Dfl</b>	95% Min		ASTM C579
<b>Brittleness ± 1 ft-lb</b>	7 ft-lb Min		Ball Drop
<b>Bond Strength (to Concrete)</b>	400 psi		ASTM D882
<b>Shore D Hardness</b>	50 Min		ASTM D2240
<b>Splitting Tensile Strength</b>	650 Min		ASTM D3967
Properties with Binder Only			
<b>Percent Elongation</b>	150 Min		ASTM D638
<b>Tensile Strength, psi</b>	2000 Min		ASTM D638
<b>Tear Strength, pli</b>	200 Min		ASTM D624

**KEEP OUT OF REACH OF CHILDREN**

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