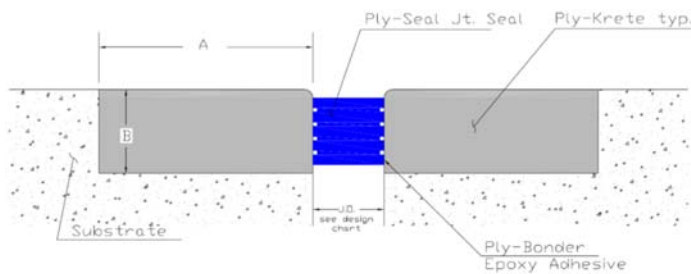


Ply-Krete® FS

Technical Bulletin

Ply-Krete® FS is a fast-setting, low-viscosity, two-component 100% solid, modified polyurethane 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® FS** is a fast-setting **Ply-Krete®** elastomeric concrete, allowing traffic to return in as little as two hours.



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 UV and ozone exposure
- Resistant to freeze-thaw changes
- Economical with high quality

Other Applications

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

Shelf Life: One year in the original, unopened containers

Storage: Store between 65–90°F

Physical Data Typical properties, not intended for specifications

| Appearance @ 25°C | | | |
|---|-----------------|-------------------------|----------------|
| | Part "A" | Part "B" | Mixed |
| Packaging | 1 Can | 1 Can | With 1 Bag Agg |
| Color | Black | Lt. Brown | Black |
| Viscosity, cps | 550 ± 25 | 250 ± 50 | - |
| Wt./gal., lb | 8.1 ± 0.1 | 10.2 ± 0.1 | - |
| Ratio & Cure | | | |
| Mix Ratio | 2 Part "A" | 1 Part "B" | By Volume |
| | 100 "A" | 63 "B" | By Weight |
| Mix A & B well, then add supplied aggregate | | | |
| Cure | Gel Time @ 25°C | | 8 -12 Min. |
| Initial Cure | 2 Hrs @ 25°C | With Supplied Aggregate | |
| Properties with Aggregate <small>(Aggregate Type Affects Results)</small> | | | |
| Compressive Strength, psi | 3000 Min. | | ASTM C579 |
| Brittleness ± 1 ft-lb | 7 ft-lb Min. | | Ball Drop |
| Properties with Binder Only | | | |
| Tensile Strength, psi | 1650 ± 200 | | ASTM D638 |
| Tear Strength, pli | 150 ± 25 | | ASTM D624 |
| Shore D Hardness | 45 ± 5 | | ASTM D2240 |
| Bond Strength To Wet Concrete | 450 psi | | Tex 618-J |

Packaging: Standard stock kits are packed in 0.52 cu. ft. kits. Larger size packaging is available upon request.

For proper installation instructions please, refer to the "Ply-Krete® Installation Instructions" Technical Bulletin. For health and safety information, please refer to the MSDS.

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