

# PolyArmor® CFP-68

**HIGHWAY MARKING / ULTRA FAST CURE / SEVERE SERVICE**  
**ALIPHATIC PLURAL COMPONENT SPRAYABLE POLYUREA**

## Product Data

Polyarmor® CFP-68 is a highly cross-linked plural component polyurea system that is to be applied in highway marking applications only by trained and experienced applicators using specialized proportioning and dispensing equipment. It is very resistant to attack from hydrocarbons such as gasoline. It is aliphatic in nature and is extremely color stable under the influence of prolonged UV exposure.

Polyarmor® CFP-68 has excellent high temperature properties. It will withstand temperatures of 250 °F or greater in dry applications and non-aggressive atmospheres.

- ◆ Ideal for hot weather application (>90 °F)
- ◆ Usable in cold weather (down to 35 °F)
- ◆ No solvents, 100 % solids, "0" VOC, low odor
- ◆ Good chemical resistance
- ◆ Excellent gloss retention
- ◆ Excellent glass bead retention
- ◆ Extremely moisture insensitive
- ◆ Outstanding abrasion and impact resistance
- ◆ Tough, flexible, elastomeric polymer
- ◆ Very fast turn-around



## Typical Uses

Especially Designed For The Following Highway Marking Uses:

- | <b>Long Lines</b> | <b>Special Markings</b> |
|-------------------|-------------------------|
| ◆ Center lines    | ◆ Cross walks           |
| ◆ Edge lines      | ◆ Stop Bars             |
|                   | ◆ Letterings            |
|                   | ◆ Arrows                |
|                   | ◆ Characters            |



## Typical Application Properties

Mix ratio: 1 to 1 by volume

Application methods: Plural component proportioning spray

**WARNING:** Spraying by any method produces fugitive mist, vapors and fumes. Extreme care must be exercised to protect personnel from exposure. Air exhausting equipment ( fans / ducting ) must be used to dissipate the fumes appropriately. Confined spaces require extra measures for safety. Isolation of the spray area may be necessary.

- ◆ Solids ( volume ). No solvents. 100% theoretical.
- ◆ Theoretical coverage: 1604 mil sq. ft. / gal.  
80 sq. ft. / gal.( 20 mil film )
- Curing schedule: @ 20 mils thickness( 72°F / 50 % R. H. )
- ◆ Dry to touch: 1 min.
- ◆ Tack-free and firm: 1-2 min.
- ◆ Through: 1 hour
- ◆ Full physicals: 24 hours

- ◆ To Recoat:  
Minimum: 1-2 min.  
Maximum: 2 hours w/o prep.; indefinite with prep.

Note:

- If no prep. recoat time is exceeded, abrade surface and chemically activate. Cure time is relatively temperature and humidity independent.
- ◆ Pot life: Not applicable
- ◆ Shelf life: 6 months unopened @ 73°F
- ◆ Cleanup: VTI CS-100 cleaning solvent, ketones, xylene.

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COLOR AVAILABILITY: white & yellow



## Typical Physical Properties

|                    | ASTM Method | Value 7 Days |
|--------------------|-------------|--------------|
| Elongation, %      | D-638       | 300          |
| Tensile, psi       | D-638       | 3500         |
| Tear, notched, pli | D-624       | 720          |
| Hardness           | Shore "D"   | 58           |

## Installation/Surface Preparation

All surfaces must be clean, dry and free of all contamination prior to coating. Performance is, in general, proportional to the degree of surface preparation. Always consult Visuron Technical Assistance for guidance.

- ⇒ **Asphalt:** Remove all dirt and debris. Grinding may be necessary to remove existing coating or tape. Surface must be totally clean and dry prior to coating. Old asphalt may need to be primed. Each site needs to be evaluated for appropriate procedure.
- ⇒ **Concrete / Masonry:** Remove all laitance, form release and curing coating by abrasive or shot blast. Use POLYARMOR® PRONTO PRIMETM or PRO PRIMETM prior to coating. Perform patch test over existing coating to verify adhesion.
- ⇒ **Re-coat Over Polyurea:** Existing polyurea coating must be thoroughly cleaned. The surface needs to be receptive to new polyurea coating. This may require either scuffing or chemical reactivation, or both. Each site needs to be evaluated for appropriate procedure

## Shelf Life

Six months in sealed unopened containers. Keep away from extreme heat, freezing and moisture. Never store in direct sunlight.

Clean up with Visuron CS-100 cleaning solvent, MEK, xylene or PGME. Dispose of in accordance with local and federal disposal regulations. See MSDS.

Read and understand the MSDS included with all shipments. Always use products with adequate ventilation and use required PPE. For confined space, use fresh air supply. For open air, use minimum of half-face, twin cartridge respirators approved for MDI. Always adhere to Society of Plastics Industry Safety Standards.