



POLYASPARTIC PURE POLYUREA

USGBC LEED, EQ Credit 4:  
Low-emitting VOC Compliant Materials



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# PRODUCT DATA SHEET

## 1. PRODUCT DESCRIPTION

**VersaFlex ClearSeal** is a high solids, color stable aliphatic polyurea coating. **ClearSeal** may be applied directly to most substrates and may be used as a topcoat for existing epoxy, polyurethane, or polyurea. This coating is extremely color stable and displays excellent UV weathering characteristics. **ClearSeal** may be applied in temperatures as low as 20°F. When fully cured, **ClearSeal** will produce a highly abrasion resistant, high-gloss, smooth finish.

## 2. USES

**VersaFlex ClearSeal** is a high strength, abrasion resistant and color stable plural component system designed to provide superior long-term protection to concrete and steel surfaces. This product has been specifically formulated as a topcoat for existing or new concrete or steel, such as piers, pier caps, railings and pedestrian walkways, providing excellent resistance against water and chloride intrusion.

### Ideal for Applications in:

- Any exterior use requiring color stability
- Automobile dealership floors
- Aircraft hangars
- Restaurants
- Garage floors
- Interior floors with or without dry broadcast media

### Advantages:

- Fast cure
- High tensile strength
- Color stable, excellent UV stability
- Low odor
- Cures as low as 20°F
- High gloss finish

## 3. PHYSICAL PROPERTIES

VOC	0.87%
Solids Content	79.3%
Pot Life	15 Minutes
Gel Time, <i>ASTM D1640</i>	20 - 30 Minutes
Tack Free, <i>ASTM D1640</i>	45 - 5 Minutes
Tensile Strength (psi) <i>ASTM D638</i>	3500 - 4500
Tensile Elongation (%) <i>ASTM D638</i>	2.5 - 5
Tear Strength (lb/in) <i>ASTM D624</i>	350 - 550
Shore D Hardness <i>ASTM D2240</i>	55 - 65
Tabor Abrasion, mg wt loss (1000g, 1000 revs, CS-17) <i>ASTM D4060</i>	15 - 20
Tabor Abrasion, mg wt loss (1000g, 1000 revs, H-18) <i>ASTM D4060</i>	250 - 350

*The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.*

## 4. LIMITATIONS

Requires dry substrate.

## 5. PACKAGING & COLOR

- **One Hundred Ten Gallon Kit:** 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight; volume is approximated.
- **Ten Gallon Kit:** 5 gallons of 'A' side and 5 gallons of 'B' side.
- **Two Gallon Kit:** 1 gallon of 'A' side and 1 gallon of 'B' side.

**COLORS:** Consult ColorFlex chart(s) at [www.versaflex.com](http://www.versaflex.com).

## 6. MIXING

**Full or Partial Batch Mix:** Mix part 'A' with part 'B' until thoroughly mixed (use paint paddle or low speed drill mixer; however, do not entrain air or bubbles into the mixture. 5 to 15% acetone (approximately 1-2 pints if mixing entire 2 gallon kit) by volume may be added to the mixed 'A' & 'B' to obtain stated pot life. If color is desired, add color pigment to the diluted 'A' & 'B' mixture until color is homogeneous. *Example:* Color pigment packs are 0.8 quart volume each. If 25% of each 'A' & 'B' portions are used, only add 25% of color pigment pack.

## 7. PREPARATION & INSTALLATION

**Concrete Surfaces:** Provide a dry, clean, sound concrete substrate. Repair spalls and other defects with approved patching material. Prepare concrete surfaces to SSPC SP13/NACE No. 6. Surface Preparation of Concrete.

**Metal Surfaces:** Provide a clean, sound metal substrate. Sand blast metal to remove laitance and other contamination and provide a suitable 2-3 mil blast profile. Prepare metal surfaces to SSPC-SP10 Near White Blast or better. Test prepared surfaces using Elcometer adhesion testing (ASTM D 4541).

## 8. CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state, and federal laws.

## 9. SAFETY

Review SDS at [www.versaflex.com](http://www.versaflex.com). Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvek overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

## 10. SHELF LIFE

One year from shipment date, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18° - 35°C).

## 11. Technical Services

Sales and Customer Support: (913) 321-9000.

## 12. WARRANTY

During a period of one-year from date of shipping, VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defectively manufactured, provided the product has been stored and used properly. Except as expressly stated herein, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.