



VersaFlex Incorporated
 686 S. Adams Street
 Kansas City, KS 66105
 913-321-9000
 913-321-1490 (Fax)

Product Data Sheet

FSS VF 42D™ **Aliphatic Spray**

Product Description- *VersaFlex FSS VF 42D* is a 100% solids, flexible, two component color stable elastomer spray applied coating material. **VF FSS 42D** is autocatalytic, containing no solvents, hardeners, or diluents. **VF FSS 42D** is used by itself or in combination with other materials to produce coatings and liners on concrete or metal substrates. Its composition makes it suitable for applications requiring color stability. **VF FSS 42D** produces an extremely tough film at thicknesses of 15 – 60 mils. **VF FSS 42D** may be applied in all positions to any properly prepared substrate.

Uses- *VersaFlex VF FSS 42D* is a superior coating material designed specifically for industrial and commercial applications receiving constant or intermittent exposure to ultraviolet light. **VF FSS 42D** is flexible, accommodating movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. With or without reinforcements, **VF FSS 42D** may be used in transitional areas with confidence. **VF FSS 42D** may be used in interior or exterior applications, however does not retain gloss.

Ideal for Applications in:

- Any interior or exterior use requiring color stability
- Industrial facilities
- Walkways & balconies
- Manufacturing facilities
- Food processing facilities
- Bottling & canning facilities

Advantages:

- 100% solids, No VOC's
- USDA approved for incidental food contact
- Installation temperatures -30°F to 160°F
- Exposure temperatures -40°F to 160°F

Physical Properties-

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
VOC	Theoretical	0%
Solids Content	Theoretical	100%
Gel Time	ASTM D1640	<1 minute
Tack Free	ASTM D1640	~2 minutes
Initial Cure	ASTM D1640	48 Hours
Tensile Strength (psi)	ASTM D638	1500 – 2000
Tensile Elongation (%)	ASTM D638	225 – 500
Elastic Modulus (psi)	ASTM D638	700 – 1500
Tear Strength (lb/in)	ASTM D624	375 – 425
Shore (D) Hardness	ASTM D2240	40 – 44
Taber abrasion, mg wt loss (1000 g, 1000 revs, H-18)	ASTM D4060	150 – 300

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.

Coverage Rates- Theoretical square feet per gallon

*Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

Mils	10	15	50	60
Sq. Ft.	160	107	32	27

Packaging-

- **One Hundred Ten Gallon Kit:** 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is closely approximated.

Mixing- VF FSS 42D must be spray applied using approved equipment. Use 1:1 ratio pump, with appropriate material heaters, as required for individual application. For information contact **VersaFlex**.

Colors- Consult ColorFlex 5000 Series chart at versaflex.com.

Preparation & Installation-

- Priming is not required when overcoating aromatic polyurea. Overcoat within 4 hours of original application.
- Concrete substrates should be clean, sound, and dry. Prime concrete with VF 20 Primer.
- Metal substrates should have a 3 – 5 mil blast profile (SSPC SP 10) and may be primed with PW-1 applied at 500 square feet per gallon if required.
- For standard polyurea high pressure plural component spray applications, install at recommended hose/material application temperatures from 150°F to 160°F, with pressures between 2000 – 2500 psi.
- Review the Material Processing & Handling Information for preparation and application procedures. Substrate priming is not required on all metals, consult **VersaFlex** for recommendations. Also, consult the **VersaFlex** Spray Gun Configuration Recommendation PDF for specific modules and tips.

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.

Safety- Review SDS at **VersaFlex**.com

Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex 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

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

Technical Services- Sales and Customer Support 913-321-9000

VersaFlex Product Manufacturer's 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.