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Product Data Sheet

AquaVers 201

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

Product Description - VersaFlex AquaVers 201 is a 100% solids, color stable aliphatic polyurea coating. **AquaVers 201** 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. **AquaVers 201** can be applied in temperatures as low as 20° F. When fully cured, **AquaVers 201** will produce a highly abrasion resistant, high-gloss, smooth finish.

Uses - AquaVers 201 adheres well to most substrates including concrete, steel, wood and plastic. The high tensile strength of the coating is able to withstand the abuse of industrial equipment, steel-wheeled carts, and forklifts. The excellent chemical resistance is well suited for many harsh applications.

Ideal for Applications In -

- Potable Water Applications

Advantages -

- Fast Cure, 100% Solids, No VOC's
- High Tensile Strength
- Color Stable, Excellent UV Stability
- Adheres well to most substrates
- Low Odor
- Cures as low as 20° F
- High Gloss Finish
- USDA, FSIS and CFIA Approved
- Adds New Life to Epoxy Floors

Physical Properties -

| Cured Film Properties | Test Method | Typical Value |
|---------------------------------|-------------|---------------|
| Solids Content | | 100% |
| Shore Hardness | ASTM D2240 | 90D |
| Elongation | ASTM D638 | 15% |
| Tensile Strength, psi | ASTM D638 | 3850 |
| Tear Strength, pli, Die C | ASTM D624 | 625 |
| Taber abrasion, mg. Loss, CS-17 | ASTM D4060 | 66.8 |
| Gloss, 60° spec. | ASTM D523 | 90+ |
| Impact, direct, reverse | ASTM D2794 | 60,10 |
| Working Time (77° F, RH 54%) | | 10-12 minutes |
| Tack Free | | 30 minutes |
| Light Traffic | | 3 hours |

Limitations - Requires dry substrate. Consult **VersaFlex**.

Packaging -

- 3 Gallon Kit: One gallon of 'A' side and 2 gallons of 'B' side.
- Larger Kits Available, Consult **VersaFlex**
- **AquaVers 201** is packaged in 3 gallon kits or 55 gallon drums. Containers filled by weight. Volume is closely approximated.

Mixing – AquaVers 201 is prepackaged in separate containers with adequate space in the Part 'B' container to accept the full contents of the Part 'A' container and provided color pigment.

Full Batch Mix: Mix part 'A' with part 'B' with 5 gal. stir stick by hand until thoroughly mixed. If required, 5% acetone by volume may be added to the mixed 'A' & 'B'.
If color is desired, add color pigment to the diluted 'A' & 'B' mixture until color is homogeneous. Do not drill mix.

For Partial Batch mixes, please consult Material Processing & Handling Information.

Colors - Clear. Colored pigment packs available on request. Consult **VersaFlex**.

Shelf Life - One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Clean Up - Cured product may be disposed of without restriction. Excess liquid 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 Material Safety Data Sheets 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 the reach of children

Surface Preparation -

- Substrates should be clean, dry, and sound.
- Concrete that is less than 30 days old, should be primed with **VF QuickMender** or **VF 20**.
- Metal substrates should have a 3-5 mil blast profile (SP-10).
- Over coat within 4 hours.

Application - AquaVers 201 adheres well to sound substrates including concrete, steel, wood and plastic. All surfaces should be free of loose particles, rust, voids and spalls. It is recommended that the product be applied in a multi-directional (north-south, east- west) motion to ensure proper coating thickness. Chloride levels should be checked prior to application. **AquaVers 201** may be applied up to 10 mils thickness per coat. Please review Material Processing & Handling Information for further details.

- It is recommended to wipe steel surfaces with acetone or denatured alcohol prior to application of **AquaVers 201**. This will remove moisture or dust that may have accumulated on the surface after sandblasting. **AquaVers 201** may be over coated after it has become tack free.

REPAIRS & MAINTENANCE:

Simply brushing on **AquaVers 201** can make small repairs to cuts in the coating. Material can be brushed on the surface after light scuffing or application of **VF TackCoat**.

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

Warranty - VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, 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.