

## Specification Sheet

### PVC-Free Digital Media

High performance Type II olefin composite for wide-format digital printing.

**Printable with:** UV inks only

**Width:** 54 +/-1/4"

**Roll lengths (yards):** 25, 50, 100

**Embosses:** Fine Linen, Smooth, Suede

**Color:** White

**Physical Specifications:**

- Weight (avg) 20 oz./ly (452 g/m<sup>2</sup>)
- Osnaburg backing
- Meets or exceeds all Type II requirements of CCC-W-408D & W101

**Fire Safety:**

- Class A - ASTM E-84
- CAN/ULC-S102 Compliant
- NFPA 101 Life Safety Code
- Euroclass EN13501 (B-s1,d0)

**Environmental & Health:**

- 20% recycled content
- Health Product Declaration (HPD)
- Passes CA 01350 low VOC indoor air quality standard
- California Prop 65 compliant
- Does not contain halogenated flame retardants, phthalates or PFOA
- Free of formaldehyde
- Heavy metal free

**Warranty:** VersaGraphics guarantees its products to be free of defects in workmanship and material for five years.

For detailed information on VersaGraphics wide-format digital printing materials and to request samples, visit [versa-graphics.com](http://versa-graphics.com).

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## ARCHITECT'S SPECIFICATION

### A. SUMMARY

Submit each item in this Article according to the Conditions of the Contract and for Specifier, Architect, Designer approval.

1. **Installer Qualifications:** Engage an experienced installer who has completed 5 projects similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.
2. **Compliance:** Provide wallcovering that complies with Federal certification CCC-408-D performance specification. Provide wallcovering that complies with surface-burning characteristics ASTM E-84 CLASS A, and NFPA 101 Life Safety Code.
3. **Proof Samples:** Prior to installing wallcovering the contractor shall supply Proof Samples for each form of construction and finish required to verify selections made demonstrate aesthetic effects as well as qualities of materials and execution. Obtain Architect's approval of Proof Sample before start of final unit of Work. Retain and maintain Proof Samples during construction in an undisturbed condition as a standard for judging the completed Work.

### B. PROJECT CONDITIONS

1. **Space Enclosure and Environmental Limitations:** Do not install wallcovering until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature is 60-80°F and humidity conditions are 50% or less continuously maintained six days prior to installation.
2. **Lighting:** Do not install wallcovering until a lighting level of not less than 15 foot-candles (160 lux) is provided on the surfaces to receive wall covering. Provide continuous ventilation during installation and for not less than six days after installation for full drying or curing of adhesives.

### C. PRODUCTS

1. **ADHESIVES:** Use only water-based low VOC commercial heavy-duty clear adhesive. Commercial compatible primers may be used to improve stripability and adhesion. Provide adhesive materials which are mildew-resistant and non-staining to wallcovering. Do not double hang wallcovering. Do not install wallcovering over existing installed vinyl wallcovering.

### D. EXECUTION

**EXAMINATION:** Examine wallcovering substrates for compliance with requirements for moisture content and other conditions affecting performance. Do not proceed with installation until unsatisfactory conditions have been corrected.

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#### **E. PREPARATION**

1. Comply with manufacturer's written instructions for surface preparation.
2. Clean substrates of substances that could impair wallcoverings bond including mold, mildew, oil, grease, incompatible primers, and dirt.
3. Acclimatize wallcovering materials by removing them from packaging in the installation areas not less than 24 hours before installation.
4. Prepare substrates to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, and defects. Painted Surfaces: Prime or treat areas susceptible to pigment bleeding.
5. Prime new gypsum board with primer recommended by wallcovering manufacturer. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finishes with fine sandpaper.
6. Allow new plaster to cure. Treat areas of high alkalinity.
7. Remove switchplates, wall plates, and surface-mounted fixtures in areas where wallcovering is to be applied. Upon completion of wallcovering installation in each space or area, reinstall items removed using workmen skilled in the trades involved.

#### **F. INSTALLATION**

1. General: Comply with wallcoverings manufacturer's written installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
2. Verify that colors and patterns of wall coverings are those specified before beginning installation.
3. Cut wall covering panels in roll number sequence, starting with the lowest numbered roll. Change run numbers at partition breaks and corners only.
4. Place panels consecutively in the order cut from rolls, including filling spaces above or below openings. Where possible hang by reversing alternate strips except on match patterns.
5. Seams or non-match patterns may be table trimmed or overlapped and double cut.
6. Trim edges for color uniformity, pattern match, and tight closure at seams and edges. Overlap and double-cut seams.
7. Install 3 strips and inspect. Notify manufacturer if defects and pattern effect are not acceptable prior to continuation.
8. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces before it dries.

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**G. CLEANING**

1. Ordinary dirt and smudges can be removed with mild soap and warm water. If necessary, a soft bristle brush can be used to remove dirt from the crevices of deeply textured patterns. Clean from bottom, upward. Using a sponge, rinse thoroughly with clean water from the top down. Dry wallcovering with a soft, lint-free cloth or towel.
2. Wallcovering should be washed regularly enough to prevent dirt and grime from accumulating and to maintain the original beauty of the product. Depending on traffic (light, medium or heavy), wallcovering should be washed from once to two or three times a year.
3. Stains should be removed as quickly as possible to eliminate any possible reaction between the staining agent and the wallcovering. If stains or soilants remain on the wallcovering too long permanent discoloration or damage may develop.
4. It should be noted that wallcovering should not be sprayed with wax or other protective coatings. Such applications would only tend to discolor the material, and, in any case, would offer little protection.
5. For more difficult stains that are only surface deep, the use of a stronger detergent is recommended.
6. All cleaners should first be tested in an inconspicuous area to ensure compatibility with the wallcovering.
7. Not recommended for cleaning are isopropyl alcohol, powdered abrasive cleaners, or steel wool, as they may mar the surface, causing an unsightly appearance. DO NOT use active solvent type cleaning preparations such as nail polish remover, tar and bug remover, etc., as they will remove print and/or finish from the wallcovering.

**H. Specifications**

1. High performance digital wallcovering:
  - Compatible with UV, solvent, eco-solvent and latex inks
  - Meet or exceed Federal Specification CCC-W-408-D for TYPE II
  - Meet Fire Safety standards - Class A - ASTM E-84 & NFPA 101 Life Safety Code
  - Pass CA 01350 indoor air quality standard
  - Does not contain halogenated flame retardants, phthalates or PFOA
  - Free of formaldehyde
  - Heavy metal free
  - Have mold and mildew control and pass ASTM G21-15
  - Weight (avg) 20 oz./ly (452 g/m<sup>2</sup>)

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DIGITAL MEDIA WALLCOVERING

**Subject:** Test report specific to physical requirements outlined in CCC-W-408D and W-101 in reference to Type II commercial vinyl wallcovering items produced by Versa Designed Surfaces.

**Scope:** The following tables are provided to demonstrate the requirements outlined in the aforementioned commonly accepted industry standards.

**Table A - Physical Test Requirements per CCC-W-408D/W-101**

| Specification   | Type II   |
|---|-----------|
| Total Weight Oz/Yd <sup>2</sup> Min                       | 13.0      |
| Colorfastness to Light                                    | 200hrs    |
| Breaking Strength, lbs. force<br>Machine Direction        | 50        |
| Cross Machine Direction                                   | 55        |
| Tearing Strength, Scale Reading Min.<br>Machine Direction | 25        |
| Cross Machine Direction                                   | 25        |
| Abrasion Resistance (cycles)                              | 300       |
| Coating Adhesion, lbs. force/inch                         | 3         |
| Blocking, Scale Rating Max.                               | 2         |
| Crocking, Scale Rating Min.                               | Good      |
| Cold Crack Resistance (20degF)                            | No Change |
| Heat Aging (7days at 158degF)                             | Note 1    |
| Shrinkage % (max)<br>Machine Direction                    | 2         |
| Cross Machine Direction                                   | 1         |
| Stain Resistance, Reagents                                | 1-12      |
| Washability, Cycles min.                                  | 100       |
| Scrubbability, Cycles min.<br>(Note 2)                    | 300       |

Note 1 – Specimen shall not become stiff, brittle, discolored, or show loss of grain.

Note 2- Cycles are defined as double rubs.



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**Table B- Tested Materials and Corresponding Data. Specimens were selected for each type based upon intended construction and requisite standard requirements. Data given for each is indicative of the specimens meeting/exceeding the requirement or passing/failing the requirement.**

| Specification   | Type II   |
|---|-----------|
| Total Weight Oz/Yd <sup>2</sup> Min                       | >13.0     |
| Colorfastness to Light                                    | >200hrs   |
| Breaking Strength, lbs. force<br>Machine Direction        | >50       |
| Cross Machine Direction                                   | >55       |
| Tearing Strength, Scale Reading Min.<br>Machine Direction | >25       |
| Cross Machine Direction                                   | >25       |
| Abrasion Resistance (cycles)                              | >300      |
| Coating Adhesion, lbs. force/inch                         | >3        |
| Blocking, Scale Rating Max.                               | <2        |
| Crocking, Scale Rating Min.                               | Good      |
| Cold Crack Resistance (20degF)                            | No Change |
| Heat Aging (7days at 158degF)                             | No Change |
| Shrinkage % (max)<br>Machine Direction                    | <2        |
| Cross Machine Direction                                   | <1        |
| Stain Resistance, Reagents                                | Pass      |
| Washability, Cycles min.                                  | Pass      |
| Scrubbability, Cycles min. (Note 2)                       | Pass      |

Note 1 – Specimen shall not become stiff, brittle, discolored, or show loss of grain.

Note 2- Cycles are defined as double rubs.

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