

1. Provide building materials that comply with CA Section 01350 and CHPS Section 01350 when tested in accordance with CDPH Standard Method v 1.2.
 2. Provide test data or third party certification that confirms compliance, such as FloorScore certification.
- B. Environmental Product Declaration
1. Provide EPDs that are independently verified by a qualifying body (such as UL) and compliant with ISO 14025.
- C. Health Product Declaration
1. Provide HPDs that have been verified by the HPDC.
- D. LBC Chemical Red List 3.1
1. Provide building materials that are Red List Free in accordance the LBC Chemical Red List 3.1.
 2. Provide full material disclosure or third party certification that confirms compliance, such as Declare labeling.

1.5 QUALITY ASSURANCE

- A. Qualifications:
1. Installer Qualifications: Installer must be a professional, licensed and experienced installer. Installer must have familiarity with both the type, size and format of the product.
 2. Manufacturer's Qualifications
 - a. Manufacturer must be ISO 9001, ISO 14001 and OHSAS 18001 compliant.
 - b. Manufacturer must provide remote and field technical support and service prior to, during and following installation, as necessary.
- B. Mock-Up:
- a. Provide a mock-up for evaluation of product, surface preparation techniques and installation workmanship.
 - b. Do not proceed with remaining work until size, color, thickness, sheen and workmanship are approved by Architect, End-User and/or other stakeholders.
 - c. Maintain mock-up area as required in accordance with Care & Maintenance documents to produce acceptable work.

1.6 DELIVERY HANDLING & STORAGE

- A. Ordering: Comply with manufacturer's ordering and lead time requirements to avoid construction delays.
- B. Storage: Store products in climate controlled space (65° F (19° C) - 85° F (30° C) for at least 48 hours prior to installation. Keep products in manufacturer's unopened packaging until ready for installation (except for rolled goods).
- C. Acclimation: Rolled goods must be unrolled and allowed to relax and acclimate for 24 hours prior to installation.

1.7 PROJECT CONDITIONS

1. Environmental Conditions: Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer in accordance with product technical data sheets. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. WARRANTY

1. Project Warranty: Refer to Conditions of Contract for project warranty provisions.
2. Manufacturer's Commercial Warranty:
 - a. 5mm AVA VRSE LVT shall be warranted for commercial use ten years for material or manufacture defects.

PART 2 PRODUCTS

2.1 PRODUCT MANUFACTURERS

- A. Acceptable Manufacturer:
 1. AVA by Novalis Innovative Flooring
Supplied by Lititz Flooring Company
215 Bucky Drive
Lititz, PA 17543
P:800.492.2613
E: sales@avaflor.com
Web: www.avaflor.com

2.2 SUBSTITUTIONS

- A. Requests for substitutions will be considered in accordance with provisions of Division 01.

2.3 PRODUCT DIMENSIONS

- A. Product: AVA VRSE Luxury Vinyl Planks (LVP) as manufactured by Novalis Innovative Flooring.
- B. LVT Plank Sizes (all sizes nominal):
 1. 9.84 inches by 39.37 inches by 3/16 inches (250.19 mm by 1 m by 5 mm)

2.4 PRODUCT COLOR

- A. Colors as selected by architect from manufacturers full range
 1. Allegro
 2. Andante
 3. Ballad

4. Cantata
5. Chanson
6. Lyric
7. Melody
8. Minuet
9. Opera
10. Prelude
11. Rubato
12. Serenade
13. Tempo
14. Timbre
15. Treble
16. Vibrato

2.5 PHYSICAL CHARACTERISTICS

- A. ASTM F1700 – Solid Vinyl Tile:
 1. Classification: Class III, Type B
 2. ASTM F1914 – Residual Indentation: Passes, <10%
 3. ASTM F137 – Flexibility: Passes
 4. ASTM F2199 – Dimensional Stability: Passes, <0.05 in. change
 5. ASTM F925 – Chemical Resistance:
 - a. White vinegar (5% Acetic Acid) - Passes.
 - b. Rubbing Alcohol (70% Isopropyl Alcohol) - Passes.
 - c. Lye (5% Sodium Hydroxide) - Passes.
 - d. Hydrochloric Acid (5% HCl) - Passes.
 - e. Sulfuric Acid (5% H₂SO₄) - Passes.
 - f. Household Ammonia (5% Ammonia) - Passes.
 - g. Disinfectant Cleaner (5% Active Phenol) - Passes.
 - h. Household Bleach (5.25% NaOCl) - Passes.
 - i. Unleaded Gasoline - Passes.
 - j. Kerosene - Passes.
 - k. Olive Oil - Passes.
 6. ASTM F1514 – Color Heat Stability: Passes, $\Delta E < 8$
 7. ASTM F1515 – Color Light Stability: Passes, $\Delta E < 8$
 8. ASTM F970 – Static Load Limit: Passes, 250 lbs.
 9. ASTM F970 – Modified for Max Weight: 1,200 lbs.
- B. ASTM E648 (NFPA 253) – Critical Radiant Flux: Class I, > 0.45 W/cm²
- C. ASTM E662 (NFPA 258) – Smoke Density: Passes, <450
- D. ASTM D2047 – Slip Resistance: >0.6 (dry)

2.6 PRODUCT ADHESIVE

- A. Only Novalis approved adhesives shall be used when installing VRSE.
 - 1. Novalis NFA T226 Acrylic Transitional Adhesive.
 - 2. Novalis NFA S300 Acrylic Aerosol Adhesive.
 - 3. Gold Series MW 3010 Modified Silane Resilient Flooring Adhesive.

PART 3 EXECUTION

3.1 MANUFACTURERS INSTRUCTIONS

- A. Compliance: Review and comply with manufacturer's technical data sheets, care & maintenance documents, warranty information, technical bulletins and written specifications.

3.2 EXAMINATION

- A. Site Verification of Conditions:
 - 1. Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's technical data.
 - 2. Do not begin installation until all substrates have been properly tested and prepared in accordance with VRSE technical data sheets and applicable ASTM, ACI, NWFA and RFCI standards.
 - 3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 PREPARATION

- A. Cleaning: Clean surfaces thoroughly prior to installation.
- B. Substrate Preparation: Prepare surfaces in accordance with substrate preparation requirements published in VRSE technical data sheets.

3.4 INSTALLATION

- A. Flooring Installation: Install materials in accordance with installation instructions published in AVA VRSE technical data sheets.
- B. Traffic Limits: No traffic, cleaning, finishing or placement of furniture should occur in accordance with adhesive traffic limits published in adhesive technical data.
- C. Initial Maintenance: Once adhesive has cured, perform initial maintenance in accordance with initial maintenance instructions published in VRSE technical data sheets and care & maintenance documents.

3.5 FINISH APPLICATION

- A. Initial Maintenance: Ensure surfaces have had initial maintenance performed in accordance with initial maintenance instructions published in VRSE technical data sheets and care & maintenance documents.
- B. Cleaning: Clean surfaces thoroughly prior to final use.

3.6 MAINTENANCE

- A. Daily Maintenance: Long-term care and maintenance must be performed in accordance with daily and routine maintenance instructions published in VRSE care & maintenance documents.

3.7 PROTECTION

- A. Temporary Floor Protection: Protect installed products until completion of project in accordance with flooring or material protection requirements published in VRSE technical data sheets and care & maintenance documents.
- B. Repair: Touch-up, repair or replace damaged products before Substantial Completion.
- C. Permanent Floor Protection: Ensure furniture feet/bottom, glides and chair casters dimensions and materials are in accordance with floor protection requirements published in AVA VRSE care & maintenance documents prior to Substantial Completion.

END OF SECTION 096519