

SECTION 09 90 50

TEXTILE UNDERLAYMENTS FOR PAINTED FINISHES

Systemx by Vitrulan is the *penultimate finish*[™] for painted surfaces. Made from glass fiber textiles, it provides a decorative, smooth or textured foundation for interior paint and coatings. Systemx improves the overall appearance of walls and ceilings, simplifies preparation of substrates, and reinforces paint finishes to make them stronger and more damage resistant.

SPECIFICATION COORDINATION: This document is available in word processing format at [###HYPERLINK](#). Turn on HIDDEN TEXT to view or print specifier notes. Edit to include only requirements pertinent to Project.

DRAWING COORDINATION: Indicate locations where Systemx is required or show in room finish schedule or at end of this Section.

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PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Textile underlayment for painted finishes

Coordinate other sections to indicate the surface preparation required in that section. See Systemx Data Sheets for surface preparation requirements for each textile.

- B. Related Requirements:

1. [Section []] – Concrete: Preparation to receive work of this Section.]
2. [Section []] – Masonry: Preparation to receive work of this Section.]
3. [Section []] – Wood: Preparation to receive work of this Section.]
4. [Section []] – Plastering: Preparation to receive work of this Section.]
5. [Section []] – Gypsum Board: Preparation to receive work of this Section.]
6. [Section []] – []: Preparation to receive work of this Section.]
7. Section [] – Painting and Coating.

1.2 REFERENCES

- A. ASTM C834 – Latex Sealants.
- B. ASTM E84 – Surface Burning Characteristics of Building Materials.

Retain below only for large or complex projects, or if a preinstallation meeting is specified for painting and coatings.

1.3 PREINSTALLATION MEETINGS

- A. [Require attendance of installer, firm performing painting and coating, [drywall installer,] [_____,] [and others affected by work of this Section. Invite Architect. Discuss coordination of work [and _____.]

1.4 SUBMITTALS

- A. Submit product data, and installation instructions for products specified.
- B. [Samples for Selection: Submit [two] [_____] sets of 8-inch by 10-inch minimum samples for textile types specified.]

Retain above to receive samples for selection of textures required after contract is awarded.

Retain below if textures are identified in Construction Documents.

- C. [Samples for Verification: Submit [two] [_____] 8-inch by 10-inch minimum samples of specified textiles.]

Retain following for large projects to allow for future repairs or alterations. Alternatively, additional material can be ordered as required from Nordic Look.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. [Extra Stock Materials: Submit [five] [_____] percent of each textile used on Project, but not less than one roll of each. Submit in manufacturer's unopened cartons.

Retain below if necessary for mock-ups specified in other sections.

1.6 QUALITY ASSURANCE

- A. [Mock-Ups: Provide materials for mock-up specified in Section [_____] – Painting and Coating.]
- B. [Installer: Firm with five years of experience applying decorative finishes.]

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver in manufacturer's unopened cartons.
- B. Store materials in clean, dry location, protected against weather and direct sunlight, and in accordance with manufacturer's instructions.

1.8 FIELD CONDITIONS

- A. Do not install until ambient conditions are acceptable for application of paint and coatings.

1.9 WARRANTY

- A. Provide manufacturers 10-year limited warranty.

PART 2 - PRODUCTS

2.1 TEXTILES

A. Manufacturers:

1. Vitruan Textile Glass GmbH, distributed by Nordic Look, www.Nordic-Look.com.
2. [Substitutions: Not allowed.]

Substitutions: Retain above or below. We are not aware of another product that has the same features and benefits as Systexx. If you are concerned about single source bidding, suggest that Owner purchase material directly from Nordic Look and write specification for Owner Furnished – Contractor Installed material.

3. [Substitutions:
 - a. Submit substitution request in accordance with Division [00] [01].
 - b. Submit a mock-up of not less than 100 square feet demonstrating performance on surfaces similar to those on Project, painted as specified, and illumination similar to specified.]

B. General:

1. Fibers: Glass.
2. Adhesive: Back surfaces shall have water-activated adhesive.
3. Primer: Fabric shall have a paintable, stabilizing glaze.
4. Color: White.
5. Width: 100 mm.
6. Surface Burning Characteristics: Class A, tested in accordance with ASTM E84.

Retain categories required. The following are arranged in general order of increasing price and performance. Consult product data sheets and view samples prior to selection. Contact Nordic Look for newly introduced styles.

C. Provide: [To be selected by Architect from following product categories:]

1. **[Systexx Pure Fleece:**
 - a. Construction: Non-woven, smooth surfaced.
 - b. Style: V22 (220 g/square meter).]
2. **[Systexx Pure Structure:**
 - a. Construction: Woven, light textured surface.
 - b. Style:
 - 1) [No. 603 (195 g/square meter).]
 - 2) [No. 604 (195 g/square meter).]
 - 3) [No. 608 (250 g/square meter).]
 - 4) [No. 629 (165 g/square meter).]
 - 5) [No. 633 (185 g/square meter).]
 - 6) [No. 635 (215 g/square meter).]
 - 7) [No. 639 (170 g/square meter).]
 - 8) [No. 650 (200 g/square meter).]]
3. **[Systexx Pure:**
 - a. Construction: Woven, light textured surface.
 - b. Style:
 - 1) [Jute – 004, 325 g/square meter.]
 - 2) [Big Stripes – 006, 320 g/square meter.]
 - 3) [Small Stripes – 025, 320 g/square meter.]
 - 4) [Dots – 075, 225 g/square meter.]

- 5) [Structure – 532, 320 g/square meter.]
- 6) [Silk – 060, 230 g/square meter.]]
4. [Systexx Phantasy:
 - a. Construction: Woven, medium textured surface.
 - b. Style:
 - 1) [Bamboo – 050 (225 g/square meter.)]
 - 2) [Diamond Dust – 072, 325 g/square meter.]
 - 3) [StarDust – 073, 230 g/square meter.]
 - 4) [IceCubes – 077, 225 g/square meter.]
 - 5) [Versailles – 080, 225 g/square meter.]
 - 6) [Orient – 082, 225 g/square meter.]
 - 7) [Desert – 083, 225 g/square meter.]
 - 8) [Stars – 084, 225 g/square meter.]
 - 9) [Jungle – 087, 225 g/square meter.]]
5. [Systexx Active:
 - a. Construction: Woven, heavy textured surface.
 - b. Style: Reno – S38 (245 g/square meter).]

2.2 ACCESSORIES

Sealer improves uniformity and strength of the fabric's adhesion. Products named below are acceptable for most common substrates; edit based upon availability and project conditions.

- A. Sealer:
 1. Type: Water-based, low-VOC sealer suitable for surfaces to which it will be applied:
 2. Product:
 - a. [Kilz Klear Clear Sealer & Bonding Primer, L2201 by Masterchem Industries LLC.]
 - b. [Bonding Agent CB-510 (White) or CB-610 (Blue) by Lanco.]
 - c. [_____.]
- B. Caulk: Acrylic latex sealant, ASTM C834, type compatible with conditions of use.

Corner guards are recommended at outside corners. They can be specified in related sections or added here. Use either vinyl or metal corner guards of types required for conditions of use. Specify suitable bedding compounds to assure a smooth substrate.

- C. Corner Treatments:
 1. Corner Guards: [_____.]
 2. Bedding Compound: [_____.]

PART 3 - EXECUTION

3.1 EXAMINATION

See note at Related Requirements.

- A. Do not install until substrates comply with specified requirements.

3.2 PREPARATION

- A. Protection: Protect adjacent finished surfaces against damage by work of this section.

- B. Surface Preparation:
1. Surfaces shall smooth, clean, dry, sound, free from loose and flaking materials, cracks, dust, dirt, oil, grease, mold, mildew, and contaminants and defects.
 2. Remove hardware, electrical plates, light fixtures, trims, and similar items; reinstall after painting.
- C. Sealer: Apply in accordance with sealer manufacturer's instructions. Allow to dry before proceeding.

3.3 APPLICATION

- A. Comply with manufacturer's instructions.
- B. Fully bond textile to substrate. Remove air bubbles, wrinkles, blisters, and other defects.
- C. Install so that joints between pieces of textile are not readily visible after painting. Butt firmly together or double cut in accordance with manufacturer's instructions.
- D. [Inside Corners: Caulk.]
- E. [Do not apply across [control] [or] [expansion] joints.]
- F. [Outside Corner Treatments: Install in accordance with manufacturer's instructions.]

3.4 PROTECTION

- A. Protect from damage. Repair damaged portions in accordance with manufacturer's instructions and to match adjacent areas.

3.5 SCHEDULES

Following is an example. Coordinate schedule with room finish schedules, related sections and notes on Drawings to avoid duplications and omissions. If style is indicated in Part 2 of this section, do not duplicate below.

- A. Schedules:

Room	Surface	Textile Style	Comment
Lobby	Walls	Pure Structure 633	---
Elevator Lobbies on Upper Floors	Walls opposite from elevators.	Pure Structure 633	Apply to wainscot only.
Board Room	Walls	Pure Fleece V22	Level II finish required for substrate.
Board Room	Ceiling	Active Reno S38	Apply joint compound skim coat over existing concrete.
Auditorium	Walls	Phantasy Star Dust 973	Apply to gypsum board only.

END OF SECTION

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