

SECTION 09720
Wall Covering
Texturglas®
WALL FINISH SYSTEM

GENERAL

1.1 SUMMARY

- A. Section Includes: Texturglas Wall Finish System.
- B. Related Sections: Section(s) related to this section include:
 - 1. Gypsum Board Assemblies: Division 9 Gypsum Board Assemblies Section.
 - 2. Painting: Division 9 Paints and Coatings Section.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM) & Canada (CAN/ULC)
 - 1. ASTM E84-01 Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 2. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials.
 - 3. CAN/ULC S102 Surface Burning Characteristics of Building Materials and Assemblies (Canada)
- B. National Fire Protection Association
 - 1. NFPA 255 Standard Method of Test of Surface Burning Characteristics of Building Materials
- c. Oko-Tex (European environmental health standard)
 - Standard 100 Confidence in Textile, Class 1

1.3 SYSTEM DESCRIPTION

- A. The wall finish system is composed of adhesive, glass fiber wallcovering and a painted finish. Performance characteristics will vary depending on the choice of components – low texture, heavy texture, and type of paint specified. Consult the manufacturer for recommendations to achieve project requirements.

1.4 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data including manufacturer's Product Data product sheet, for each specified glass textile wall covering product.
 - 1. Submit paint manufacturer's product data for paint finish materials. Coordinate with Division 9 Paints and Coatings Section.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors and textures.

- D. Samples: Submit selection and verification samples for each pattern of the wallcovering specified. Samples are to be finished with each paint color/finish specified. Minimum sample size: 12" x 12" (305 x 305 mm).
- E. Quality Assurance Submittals: Submit the following:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and physical requirements.
 - 3. Manufacturer's Field Reports: Manufacturer's field reports.
- F. Closeout Submittals: Submit the following:
 - 1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to "paint manufacturer's finishes and performance".
 - 2. Warranty: Warranty documents specified herein.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Installers should be experienced in performing work of this section and should have specialized in the installation of work similar to that required for this project.
- B. Surface Burning Characteristics
 - 1. Flame spread as per ASTM E84, UL723, NFPA255, CAN/ULC S102.
 - 2. Flamespread Index: 15 (range is 0 – 25)
 - 3. Smoke Developed: 0 (range is 0 – 450)
- C. Mock-Ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain Owner's and Architect's acceptance of finish color, texture and pattern and workmanship standard(s). Comply with Division 1 Quality Control (Mock-Up Requirements) Section.
 - 1. Description: Prior to start of wallcovering installation, install 3 full mock-up test panels of each pattern of wallcovering specified. Mock-up will be reviewed for texture, pattern and pattern match, workmanship, finish, seam quality and paint color and finish. Replace test panels which are not acceptable.
 - 2. Mock-Up Size: 3 mock-up test panels, panel size 39" x 8'
 - 3. Maintenance: Maintain mock-up during construction for workmanship comparison; remove and legally dispose of mock-up when no longer required.
 - 4. Incorporation: Mock-up may be incorporated into final construction upon Owner's approval.
- D. Preinstallation Meetings: Conduct preinstallation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements. Comply with Division 1 Management and Coordination (Project Meetings) Section.
- E. Preinstallation Testing (Substrate).

1.6 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirements Sections.

- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers/packaging with identification labels intact.
- D. Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature conditions recommended by manufacturer. Store wallcovering materials in an upright position as recommended by manufacturer. Protect stored materials from damage.

1.7 PROJECT CONDITIONS

- A. Environmental Requirements/Conditions: Substrate and ambient air temperature shall be in accordance with manufacturer's recommendations.
 - 1. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

1.8 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under the Contract Documents.
 - 1. Warranty Period: 5 years from date of shipment for any defects in glass fiber wallcovering materials.

1.9 MAINTENANCE

- A. Extra Materials: Deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals (Maintenance Materials) Section.
 - 1. Quantity: Furnish quantity of full-size units equal to 5% of amount installed.
 - 2. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra materials.

PRODUCTS

1.10 GLASS FIBER WALLCOVERING

- A. Manufacturer: ADFORS SAINT GOBAIN
Texturglas® is a registered trademark of Roos International, Ltd.
 - 1. Roos International Ltd. Inc., 1020 NW 6th Street, Suite H, Deerfield Beach, FL 33442; Telephone: (800) 888-2776, (954) 429-3883; Fax (954) 429-8208; E-mail; support@roosintl.com website: www.roosintl.com
- B. Proprietary Product(s): Texturglas® Wall Finish System
 - 1. Architectural Finishes -- woven textures
 - 2. Designer Collection -- woven textures
 - 3. Sound Control System – woven textures with acoustical backing
 - 4. Wall Restoration System – non woven smooth finishes
- C. Texturglas Wall Finish System
 - 1. Product Designation, Pattern and Texture

- (1) Pattern Number: _____
- (2) Weight: (Specify weight) _____g/m2 _____oz/sq yd minimum (unfinished weight)
- (3) Width: 39.4" (1 meter)
- (4) Fiber content and construction: 100% coated glass fiber
- (5) Fire Performance Characteristics: Class A fire rated (ASTM E84/UL 723, NFPA255, CAN/ULC S102).
- (6) Flamespread: 15
- (7) Smoke developed: 0
- (8) Paint Coating System: For unprimed textures, 2 coat paint system (primer coat and finish coat). For pre-primed textures, 1 coat top paint. See "Paint Specification" guide for type of paint for project. Refer to Division 9 Paints and Coatings.

D. Substitutions: No substitutions permitted.

1.11 ACCESSORIES

- A. Adhesives: Heavy duty, clear, strippable, water based adhesive (antimicrobial additive optional). Consult with glass fiber wallcovering manufacturer.
- ~~B.~~ Substrate Primer/Sealer: Latex pre-wallcovering primer. If high humidity area, use of antimicrobial pre-wallcovering primer is optional.

1.12 RELATED MATERIALS

- A. Gypsum Wallboard: Refer to Division 9 Gypsum Board Assemblies Section for wallboard materials.
- B. Wallcovering Paint Primer and Finish Coat: Refer to Division 9 Paints and Coatings Section. Provide 1 primer coat and 1 finish coat of paint applied to wallcovering for unprimed textures, and for pre-primed textures 1 finish coat of paint in low sheen for best results. Two coats are acceptable.

1.13 SOURCE QUALITY

- A. Source Quality: Obtain wallcovering products from a single manufacturer. Provide each pattern of wallcovering produced by specified manufacturer. Provide manufacturer's adhesive and installation materials, including substrate primer/sealer and wallcovering primer. Provide paint finish materials and installation methods as recommended by wallcovering manufacturer.

EXECUTION

1.14 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions.
 - 1. Method: Use manufacturer's recommended primers, primer/sealer, adhesives, tools and other installation materials.

1.15 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

1.16 PREPARATION

- A. Adjacent Surface Protection: Protect adjacent work areas and finish surfaces from damage during product installation.
- B. Surface Preparation:
 - 1. Surface Fixtures: Remove switch plates, wall plates and surface mounted fixtures in areas where wallcovering is to be applied.
 - 2. Cleaning: Clean substrates of dust, dirt, stains, oil coatings, water based paints or other compounds preventing adhesive bond or impairing performance of installed wallcovering materials.
 - 3. Mildew: Remove mildew and treat wall surface with mildew growth inhibitor recommended by manufacturer.
 - 4. Moisture Content: Test substrate with electronic moisture meter to verify surface to be covered does not exceed a moisture content of 5%.
 - 5. Stains: Do not install wallcovering over oil based wood stains or felt tip pen markings without proper substrate preparation recommended by wallcovering manufacturer.
 - 6. New Plaster: Age new plaster 30 days minimum before installing wallcovering. Plaster substrate shall be smooth and free from surface chalk and shall not have more than 5% moisture content.
 - 7. New Wallboard (Drywall): Wipe new wallboard (drywall) with damp cloth to remove sanding dust. Nails, screws and joint depressions shall be taped and spackled to a smooth finish. Seal non-rustproof nails and screws to prevent bleed-through. Wallboard substrates shall not have more than 5% moisture content.
 - 8. Other Porous Surface: Surface shall be clean, dry, smooth and structurally sound. Use an all-purpose cleaner to remove dirt, grease and wax. If a painted surface is found to be unsound, remove paint from surface. Repair cracks and holes.
 - 9. Nonporous Surfaces: Plastic, glass, plastic laminate, ceramic tile, baked enamel, paneling, cement block or glossy paint and other nonporous surfaces shall be primed with primer specially formulated for difficult-to-bond surfaces to maximize initial tack and final bond strength of wallcovering adhesive. If a painted surface is found to be unsound, remove paint. Repair cracks and holes. Surfaces shall be rendered free of joints, cracks, holes and rough edges to offer a smooth surface for wallcovering installation.
 - 10. Renovation of Other Wallcoverings: Remove old wallpaper or vinyl wallcovering and old adhesive. Verify wall surface after removal to determine substrates are structurally sound, clean and dry. Surface shall be free of holes and rough edges to offer a smooth surface for wallcovering installation.

Old Plaster: Verify condition of old plaster walls for possible delamination. Remove unsound plaster and replaster to smooth finish. Sand lightly and verify moisture content as with new plaster.
- C. Substrate Priming: Prime wall substrate with prewallcovering primer that is compatible with adhesive.

1.17 INSTALLATION OF GLASS FIBER WALLCOVERING

- A. Material Inspection: Inspect each roll of wallcovering material. Verify pattern match with approved samples. Inspect for material defects before cutting.
- B. Installation: Using a dry hand method, place panels consecutively in the order cut from rolls, including filling spaces above or below openings. Apply each panel so outside of rolled material faces out as material is hung. Length may be pre-cut.

1. Substrate: Verify primed substrates are fully dry prior to application of adhesive and installation of wallcovering.
 2. Adhesive: Wallcovering is recommended to be installed using a dry hand method by applying adhesive evenly to wall with roller, spray or brush, with no gaps or bare spots. Do not apply more adhesive in each application than will be covered by 1 or 2 lengths of wallcovering. Prevent dry spots and insufficient adhesion.
 3. Wallcovering Application: Apply wallcovering to wall substrate, with outside of roll facing out and vertical yellow line towards the wall and DO NOT REVERSE HANG the sheets.
 - (1) Set first wallcovering sheet. Ensure sheet is plumb. Eliminate air pockets and secure wallcovering to wall surface with plastic broad knife. Work from center of strip toward edges. Do not overwork material.
 - (2) Seams: Butt join sections and match pattern of texture at eye level between panels and across seams of wallcovering materials to ensure tight, straight closure. DO NOT USE A SEAM ROLLER. Wallcovering products may be double cut or other patterns may be double cut where edges appear rough or bolt has been damaged to ensure tight, straight closure. Horizontal seams are not acceptable.
 - (3) Remove excess adhesive along finished seam immediately after wallcovering strip is applied. Use damp, but not wet, sponge. Avoid getting adhesive on face of wallcovering.
 4. Bonding: Install wallcovering with sound bond of material to substrate.
 5. Trimming: When possible, install material prior to installation of plumbing, fixtures, trim, cabinets and other finish operations. Trim wallcovering evenly to edges of wall penetrations, outlet boxes, reveals, adjacent door and window frames and moldings. Trim seams and other straight cuts using a straight edge. Perform cutting work on a cutting table when possible. When wall cutting procedures are required, perform cutting without scoring, perforating or otherwise damaging substrate. Use fresh blade for each cut.
- C. Appearance Before Painting: Wallcovering shall be smooth, clean and free of wrinkles, gaps, overlaps and other defects. Raising and puckering at seams, bubbles, blisters, telegraphing of adhesive spreader marks and other surface imperfections are not acceptable. Cut edges of wallcovering visible around cover plates or trim are not acceptable. Redo and replace defective installation.

1.18 PAINTING AND FINISHING OF GLASS FIBER WALLCOVERING

- A. Manufacturer's Instructions: Comply with combined instructions of wallcovering manufacturer and paint manufacturer for painting and finishing of wallcovering.
 1. Allow installed wallcovering material to dry at room temperature prior to painting in accordance with paint manufacturer's dryness and temperature requirements.
- B. Priming and Painting: On unprimed textures, apply 1 coat of primer with 3/4" - 1" (19.1 - 25.4 mm) roller nap cover to cover wallcovering material thoroughly without gaps or bare spots and allow to dry. If primer is sprayed on, back roll primer into wallcovering. After primer is dry, apply 1 coat of finish paint to produce uniform final color of even coverage, thickness and intensity. For preprimed textures, proceed to apply finish coat (s) of paint.
- C. Reinstall fixtures: Upon completion of wallcovering installation in each space or area, reinstall fixtures, plates and similar items, which had been removed. Verify cut edges of wallcovering are concealed.
- D. Finish Appearance: Finished wallcovering shall be smooth, clean of uniform color, finish and appearance and free of wrinkles, gaps, overlaps, bare spots, holidays, roller marks, uncoated areas and other defects. Redo or replace defective installation.

1.19 FIELD QUALITY REQUIREMENTS

- A. Manufacturer's Field Services: Upon Owner's request, provide manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

1.20 CLEANING

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

1.21 PROTECTION

- A. Protection: Protect installed product's finish surfaces from damage during construction.

END OF SECTION

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