SECTION 09 72 00 – WALL COVERINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. This section includes labor, materials and other services necessary to complete vinyl wall coverings.

B. Conform with requirements of Division 1 Section 01 00 00 General Requirements, as it applies to the work of this Section.

1.2 RELATED SECTIONS

A. Division 9 – Section 09 29 16 Gypsum Board Systems

B. Division 9 – Section 09 65 16 Sheet Vinyl Flooring

C. Division 22 – Section 22 40 00 Plumbing Fixtures

D. See Finish Schedule and Legend.

E. See Flooring Finish Extent Drawings for installation information.

1.3 REFERENCES

A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

B. American Society for Testing & Materials (ASTM):

1. ASTM E 84-05 Standard Test Method for Surface Burning Characteristics of Building Materials. CLASS A
2. ASTM D5420 Gardner Impact Exceeds 160 inch pounds

1. 4 SYSTEM DESCRIPTION

A. Performance Requirements: Provide Altro Tegulis wall covering or approved equal installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.5 SUBMITTALS

A. Product Data: Submit manufacturer's current printed product literature, specifications, installation instructions, and field reports.

B. Shop Drawings: Submit shop drawings to indicate materials, details, and accessories including but limited to the following:

1. Submit a layout diagram indicating the location of each panel and joining method.

C. Samples: Submit one sample piece of Altro Tegulis material per color specified, as well as accessory pieces.

D. Quality Assurance Submittals: Submit the following:

1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
2. Manufacturer's Instructions: Current published manufacturer's installation and maintenance instructions.
3. Manufacturer's Field Reports: Specified herein.

E. Closeout Submittals: Submit the following:

1. Operation and Maintenance Data: Operation and maintenance data for installed products.
   a. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
2. Warranty: Warranty documents specified herein.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

1. Experienced/certified installers who have installed similar products, in similar environments.

B. Mock-ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain Owner's and/or Architect's acceptance of finish color, texture and pattern, and workmanship standards.

1. Mock-Up Size: One Residential Bathroom in Lower Quad: Studio Unit.
2. Mock-Up to be incorporated into final bathroom installations once reviewed and approved. Any punchlist items to be completed and Unit Bathroom to be photographed as reference to use as standard for the balance of the bathroom renovations on the site.

C. Pre-installation Meeting: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements.

1.7 DELIVERY, STORAGE & HANDLING

A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.

B. Deliver, store and handle Altro Tegulis wall panels in accordance with manufacturer recommendations.

C. Deliver materials in manufacturer's original, unopened, undamaged containers with

identification labels intact.

D. Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Panels should be stored flat and pre-conditioned to a minimum of 24 hours in ambient temperatures similar to the prevailing operational conditions prior to installation.

E. Store panels in temperature-controlled environments. Leave protection on panel until ready to use.

1.8 WASTE MANAGEMENT AND DISPOSAL

A. Deposit all packaging materials in appropriate container on site for recycling or reuse.

B. Avoid using landfill waste disposal procedures when recycling facilities are available. Excess material can be recycled to avoid sending construction waste to landfill if alternative recycling facilities are available.

C. Keep all discarded packaging away from children.

1.9 PROJECT CONDITIONS

A. Temperature Requirements: If storage temperature is below 20C (68F), the Altro Tegulis wall panel must be moved to a warmer place and allowed to reach manufacturer recommended temperature before installation. For further information, refer to current Installation Guide: https://www.altro.com/us/technical-documents/altro-tegulis-installation-guide.

B. Maintain air temperature and structural base temperature at installation area between 20C (68F) and 27C (80F) for 48 hours before, during and 24 hours after installation.

1.10 WARRANTY

A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

B. 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 Contract Documents.

C. Warranty Period for Altro Tegulis or approved equal shall be 5 years commencing on Date of Substantial Completion, warranty available online at www.altrofloors.com.

1.11 EXTRA MATERIALS

A. Provide extra materials of product and adhesives in accordance with Section 01780 - Closeout Submittals.

B. Provide 2 – 4 x 8 Panels of each color from same production run as installed materials, pattern and type material required for project for maintenance use and container of adhesive for panels.

C. Clearly identify each wall panel and each container of adhesive.

D. Deliver to Owner, upon completion of the work of this section and store where directed.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: ALTRO

1. E-mail: support@altrofloors.com Web Site: www.altrofloors.com.

2.2 HYGIENIC WALL COVERINGS

B. Altro Tegulis is homogenous, 100% pure vinyl, extruded, semi-rigid PVCu sheet, no plasticizers or fillers. Approved equal to meet these requirements.

.2 Acceptable material: Altro Tegulis or approved equal (measurements and product weights are approximate): Thickness: 0.10" (2.5 mm); Panel Width: 4' (1.22m) Panel Height: 8'2"; Weight 4'x 8'2" Panel: 24 lbs (10.7 kg).

SELECT:

.1 **PANEL SIZE:** 4' wide x 8'2" (2.5 m) high

.2 **PATTERN VISUAL:** HEXAGON PATTERN

.3 **PANEL COLOR:**

Wall Covering Panel #1: See Finish Schedule and Legend for Color and Location.

Wall Covering Panel #2: See Finish Schedule and Legend for Color and Location.

.4 **INSTALLATION METHOD:** HALF-LAP (wet and dry areas) Coordinate with manufacturer for installation and prefabrication of lap joint for ease of on-site installation. See https://www.altro.com/us/technical-documents/altro-wall-panel-half-lapping-service for more information.

2.3 ACCESSORIES

A. See https://www.altro.com/us/accessories and https://www.altro.com/us/technical-documents/altro-tegulis-installation-guide for appropriate accessories for the Tegulis panel installation.

2.4 SOURCE QUALITY

A. Source Quality: Obtain wall products from a single manufacturer.

PART 3 EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions and product label instructions for installation: https://www.altro.com/us/technical-documents/altro-tegulis-installation-guide.

3.2 EXAMINATION

A. Site Verification of Conditions: Verify existing substrate conditions are acceptable for product installation in accordance with manufacturer's recommendations.

3.3 SUBSTRATE PREPARATION

A. Walls should be smooth and level. High points must be removed and low points filled with filler intended for the substrate and environmental conditions. Wet area installation methods to be used.

B. Existing ceramic tile to be removed, including drywall from walls and replaced with moisture and mold resistant gypsum board.

C. Surfaces must be permanently dry and free from all substances that may contribute to adhesive bond failure.

D. Remove loose paint and conduct an adhesive bond test with paint.

E. Exterior walls must be adequately damp-proofed and insulated.

F. Moisture and mold resistant gypsum board substrates to be paint ready prior to installation.

3.4 PREPARATION

A. All surfaces must be free from dust and cleaned prior to Altro Tegulis or approved equal installation. The working environment must also be dust free. Failure to comply with these conditions will reduce the bond strength between the adhesive and substrate, and may cause the Altro Tegulis panels to debond.

B. Very absorbent / porous substrates (particularly plaster finishes and unprimed sheetrock) must have a proprietary sealer e.g. PVA primer or similar, applied to the surface a minimum of 12 hours prior to the installation.

C. All electrical switches, power points etc., should be in a first fix / installation state. All electrical equipment should only be moved or altered by a qualified electrician.

D. All plumbing should have pipe-work removed to a first fix or installation state and "tails" left protruding from the substrate. Altro Tegulis panels can then be drilled and slid over the pipe tails. All holes should be drilled 1/8" (3mm) oversize to allow for expansion, then sealed with Altro Sanitary Sealant. Plumbing should always be done by a qualified plumber.

E. Hot pipes and steam pipes should be insulated and a 1/8" to 1/4" (3-6mm) expansion gap should be created when installing panels around these pipes, then sealed with Altro Sanitary Sealant.

F. All pipes, fixing bolts, etc. extending through the Altro Tegulis panels should have a minimum 1/8" (3mm) expansion gap and be sealed using Altro Sanitary Sealant.

G. If fitting to door frames, these must be in place prior to installation of Altro Tegulis.

H. Prior to installation, it is advisable to complete any painting which comes in contact with Altro Tegulis, as sealant used at junctions is non-paintable.

I. Panels should be stored flat and be pre-conditioned a minimum of 24 hours in ambient temperatures similar to the prevailing operational conditions.

J. The panels must be stored on a level flat surface off the ground (risk of condensation on the panels if stored on damp surfaces). Storage on uneven surfaces could cause the panels to distort prior to installation.

K. First, check the room using a 6' (2 m) level to ensure all walls are flat, paying particular attention to the corners, window reveals, and door entrances. These need to be inspected to ensure they are free of any debris or irregularities, which could prevent the panels laying flat to the substrate after the adhesive has been applied and the panel installed.

3.5 INSTALLATION

A. Hygienic Wall Installation: Install Altro Tegulis or approved equal in accordance with the current Installation Guide. All joints should be joined by approved methods as detailed in the installation guide. Failure to install Altro Tegulis in accordance with recommended procedures will void the Altro Limited Product Warranty.

3.6 CLEANING

Note: Once all panels and joints are installed, remove protective film and clean all surfaces down with antistatic solution or antistatic wipes. This is required as the panel may have static build up and any dust in the atmosphere will adhere to the surface of the panel.

A. Altro Tegulis can be cleaned with a diluted soap/detergent solution, such as Altro 44 Cleaner.

B. When cleaning the Altro Tegulis surface, we recommend the temperature of water does not exceed 140° F (60° C).

C. Pressure cleaning with hot water may be used with the pressure nozzle a minimum of 2 feet (600mm) away from the surface.

D. To reduce the buildup of static, cleaning the panels with an anti-static solution is recommended.

E. Stubborn stains use AltroClean 44 cleaner or equivalent **alkaline cleaner**.

.6 Remove construction debris from project site and legally dispose of debris.

END OF SECTION