SECTION 09720

RIGID SHEET VINYL WALL COVERINGS

\*\* NOTE TO SPECIFIER \*\* Altro USA, Incorporated; resilient flooring and walls.

This section is based on the products of Altro USA, Incorporated, which is located at:

80 Industrial Way

Wilmington, MA 01887

Toll Free Tel: 800-377-5597

Tel: 978-657-6464

Fax: 610-746-4325

Email: support@altrofloors.com

www.altrofloors.com

In Canada:

Altro Canada, Incorporated

6221 Kennedy Road, Unit 1

Mississauga, ON L5T 2S8

Your local Altro representative is: Please contact support@altrofloors.com.

Altro has been at the forefront of innovation for almost 100 years. Today, working closely with architects, end customers, engineers, designers and contractors around the world, our insight and expertise help them transform everyday spaces into environments that can improve the wellbeing of everyone that uses them.

And by consistently turning creative thinking into practical, real-world solutions – that maintain the highest standards of safety and durability – Altro has become synonymous with quality.

As a family-founded business, we have a strong sense of what we value and a way of thinking inspired by The Bauhaus – a balance of quality, form and design-led function – that puts people’s needs at the heart of everything we do. It’s a human-centered approach to designing for the demands of 21st century life.

It’s a history that means we value the bold, the brave and the new. From focusing on how the different sectors we serve need their spaces to perform, to the call for more environmentally sustainable materials, Altro is constantly challenging what is possible and seeking new ways of inspiring our customers and answering their biggest challenges.

With offices across Europe, the Americas, Asia Pacific and the Middle East, we remain committed to developing solutions that stand the test of time.

We combine the best in contemporary style with the functionality required to improve the way we all live and work, wherever in the world that may be.

1. GENERAL
	1. SECTION INCLUDES

**\*\* NOTE TO SPECIFIER \*\* Delete items below not required for the project.**

* + 1. Hygenic wall coverings. (Altro Whiterock Wall Designs)
	1. RELATED SECTIONS

**\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required**.

* + 1. Section 03300 - Cast-in-Place Concrete.
		2. Section 06100 - Rough Carpentry: Sheathing.
		3. Division 7 - Thermal and Moisture Protection.
		4. Division 15 - Mechanical.
	1. REFERENCES

**\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.**

* + 1. ASTM International (ASTM):
			1. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials. Class A.
			2. ASTM D 5420 - Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact).
		2. Underwriters Laboratories of Canada (ULC):
			1. CAN/ULC-S102, Surface Burning Characteristics.
	1. SUBMITTALS
		1. Submit under provisions of Section 01300 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
		3. Shop Drawings:

**\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.**

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (152 mm) square representing actual product, color, and patterns.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.
		2. Installer Qualifications: Trained journeymen with a minimum of three years successful experience in the installation of wall coverings.

**\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.**

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship is approved by Architect.
			3. Remodel mock-up area as required to produce acceptable work.
	1. PRE-INSTALLATION MEETINGS
		1. Convene minimum two weeks prior to starting work of this section.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
		2. Store rolls of sheet goods in a secured upright position. Store materials in dry spaces protected from the weather, with ambient temperatures not less than 55 degrees F (12.8 degrees C) or more than 85 degrees F (29.4 degrees C).
		3. Handle materials to avoid damage.
	3. PROJECT CONDITIONS
		1. Temperature Requirements: If storage temperature is below 65 degrees F (18 degrees C), the Altro Whiterock wall panel must be moved to a warmer place and allowed to reach this temperature before installation. For further information, refer to current Installation Guide.
		2. Maintain air temperature and structural base temperature at installation area between 65 degrees F (18 degrees C) and 80 degrees F (26 degrees C) for 48 hours before, during and 24 hours after installation.
	4. SEQUENCING
		1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	5. WARRANTY
		1. Warranty: Provide manufacturer’s standard limited warranty.
	6. EXTRA MATERIALS
		1. Provide extra materials of product and adhesives in accordance with submittal requirements as specified in Division 1.
			1. Material of each color, pattern and type required for maintenance use from same production run as installed materials.
				1. Quantity (sq ft/sq m): \_\_\_\_\_\_.
			2. Clearly identify each wall panel and each container of adhesive.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Altro USA, Inc., which is located at: 80 Industrial Way, Wilmington, MA 01887; ASD Toll Free Tel: 800-377-5597; Tel: 978-657-6464; Fax: 610-746-4325; Email: Support@altro.com; www.altro.com.

**\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01600 - Product Requirements.

**\*\* NOTE TO SPECIFIER \*\* Delete article if not required.**

* 1. HYGENIC WALL COVERINGS

**\*\* NOTE TO SPECIFIER \*\* Delete basis of design paragraphs not required.**

* + 1. Altro Whiterock Wall Designs High Quality Graphic Printed, as manufactured by Altro USA Incorporated. 100 percent pure vinyl, extruded, semi-rigid PVCu sheet containing no plasticizers or fillers. Hard coat protective layer is added to prevent damage to the graphics.
			1. Surface Burning Characteristics Compliance: CAN/ULC-S102 and ASTM E84.
			2. Impact resistance per ASTM D5420: 160 in-lbs (18.1 N-m).

**\*\* NOTE TO SPECIFIER \*\* Delete thickness option not required.**

* + - 1. Thickness: 0.100 in (2.5 mm).

**\*\* NOTE TO SPECIFIER \*\* Delete panel dimension option not required.**

* + - 1. Panel Dimensions (WxH): 48 x 98.42 in (1219 x 2500 mm).
				1. Weight: 23.59 lbs (10.7 kg).
			2. Panel Dimensions (WxH): 48 x 118.11 in (1219 x 3000 mm).
				1. Weight: 28.22 lbs (12.8 kg).

**\*\* NOTE TO SPECIFIER \*\* Delete product options not required.**

1. Product Identification: Concrete / White Mineral / 9905 / WDS259905 (8’ panel) / WDS309905 (10’ panel) / 61 LRV.
2. Product Identification: Concrete / Cool Mineral / 9906 / WDS259906 (8’ panel) / WDS309906 (10’ panel) / 48 LRV.
3. Product Identification: Concrete / Urban Mineral / 9907 / WDS259907 (8’ panel) / WDS309907 (10’ panel) / 28 LRV.
4. Product Identification: Linen / Winter Weave / 9909 / WDS259909 (8’ panel) / WDS309909 (10’ panel) / 58 LRV.
5. Product Identification: Linen / Autumn Weave / 9910 / WDS259910 (8’ panel) / WDS309910 (10’ panel) / 43 LRV.
6. Product Identification: Linen / Summer Weave / 9908 / WDS259908 (8’ panel) / WDS309908 (10’ panel) / 36 LRV.
7. Product Identification: Wood / Soft Woodgrain / 9901 / WDS259901 (8’ panel) / WDS309901 (10’ panel) / 52 LRV.
8. Product Identification: Wood / Warm Woodgrain / 9904 / WDS259904 (8’ panel) / WDS309904 (10’ panel) / 38 LRV.
9. Product Identification: Wood / Smoky Woodgrain / 9903 / WDS259903 (8’ panel) / WDS309903 (10’ panel) / 19 LRV.
10. Product Identification: Wood / Rich Woodgrain / 9902 / WDS259902 (8’ panel) / WDS309902 (10’ panel) / 14 LRV.
11. Product Identification: As indicated on the Drawings.
12. Product Identification: As selected by Architect.
	* + 1. Accessories:

**\*\* NOTE TO SPECIFIER \*\* Delete weld rod option if not required**

* + - * 1. Altro Weld Rod: WSR/\*\*\*\* – Color to match - Color determined by Architect from manufacturer’s selection.

**\*\* NOTE TO SPECIFIER \*\* Delete joint strip options not required.**

* + - * 1. Joint Strips: 2-Part-A831/25/CT01 Champagne. 98.5 in (2502 mm) length.
				2. Joint Strips: 2-Part-A831/25/CT02 Nickel. 98.5 in (2502 mm) length
				3. Joint Strips: 2-Part-A831/25/CT03 Silver. 98.5 in (2502 mm) length
				4. Joint Strips: 2-Part-A831/25/CT04 Bronze. 98.5 in (2502 mm) length
				5. Joint Strips: 2-Part-A831/25/CT02 Graphite. 98.5 in (2502 mm) length
				6. Joint Strips: 2-Part-A831/30/CT01 Champagne 118 in (2997 mm) length.
				7. Joint Strips: 2-Part-A831/30/CT02 Nickel 118 in (2997 mm) length.
				8. Joint Strips: 2-Part-A831/30/CT03 Silver118 in (2997 mm) length
				9. Joint Strips: 2-Part-A831/30/CT04 Bronze 118 in (2997 mm) length
				10. Joint Strips: 2-Part-A831/30/CT05 Graphite 118 in (2997 mm) length

**\*\* NOTE TO SPECIFIER \*\* Delete start and edge trim options not required.**

* + - * 1. Start and Edge Trim: 2-Part-A833/25/CT01 Champagne. 98.5 in (2502 mm) length.
				2. Start and Edge Trim: 2-Part-A833/25/CT02 Nickel. 98.5 in (2502 mm) length.
				3. Start and Edge Trim: 2-Part-A833/25/CT03 Silver. 98.5 in (2502 mm) length.
				4. Start and Edge Trim: 2-Part-A833/25/CT04 Bronze. 98.5 in (2502 mm) length.
				5. Start and Edge Trim: 2-Part-A833/25/CT05 Graphite. 98.5 in (2502 mm) length.
				6. Start and Edge Trim: 2-Part-A833/30/CT01 Champagne. 118 in (2997 mm) length.
				7. Start and Edge Trim: 2-Part-A833/30/CT02 Nickel. 118 in (2997 mm) length.
				8. Start and Edge Trim: 2-Part-A833/30/CT03 Silver 118 in (2997 mm) length.
				9. Start and Edge Trim: 2-Part-A833/30/CT04 Bronze. 118 in (2997 mm) length.
				10. Start and Edge Trim: 2-Part-A833/30/CT05 Graphite. 118 in (2997 mm) length.

**\*\* NOTE TO SPECIFIER \*\* Delete adhesive and sealant options not required.**

* + - * 1. Acrylic Adhesive: AltroFix W157. One-part, water-based, acrylic adhesive. For dry, climate controlled areas.
				2. Polyurethane Adhesive: AltroFix W39. Two-part resin-based polyurethane adhesive. Default adhesive for most installations, suitable for wet area, non-climate-controlled areas, and non-absorbent surfaces.
				3. Altro Sanitary Sealant: A803 clear. 10.5 oz (0.3 kg) tube.
				4. Altro Sanitary Sealant: A806/\*\*\*\* - Color to match - Color determined by Architect from manufacturer’s selection. 10.5 oz (0.3 kg) tube.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
			1. Walls: Smooth and level. High points removed and low points filled with filler intended for the substrate and environmental conditions.
			2. Wall tiles: Firmly to the wall. As long as the tile edges do not protrude you do not have to skim grout joints.
			3. Surfaces: Permanently dry and free from substances that may contribute to adhesive bond failure.
			4. Remove loose paint and conduct an adhesive bond test with paint.
			5. Exterior walls: Adequately damp-proofed and insulated.
			6. Dry Wall Substrates: Paint ready.
		2. Absorbent and porous substrates must have a proprietary sealer minimum of 12 hours prior to the installation.
		3. Electrical switches, power points etc., should be in a first fix installation state.
		4. Fitting to Door Frames: In place prior to installation wall covering.
		5. Complete painting in contact with wall covering. Sealant used at junctions is non-paintable.
		6. Clean surfaces thoroughly prior to installation.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent materials.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. 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.
		3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION