



SECIFICATION
Section 09620

URECLAD 44
6 MM (1/4") FLOOR TOPPING SYSTEM

Note to Specifiers

The purpose of this outline specification document is to assist the specifier to compile a specification for the proper use of Ureclad 44. This document has been prepared to be part of a complete project specification and is not intended to be used as a project document by itself.

PART 1 - GENERAL

- 1.01 RELATED DOCUMENTS: Drawings and General Provisions of Contract, including General and Supplementary Conditions and Division 1 - General Requirements, apply to work of this section.
- 1.02 WORK INCLUDED: Trowel application of polyurethane flooring including surface preparation.
- 1.03 RELATED WORK SPECIFIED IN OTHER SECTIONS:
- A: Concrete work: Section 03300
 - B: Joint sealant: Section 07900
- 1.04 QUALITY ASSURANCE:
- A: **Only experienced applicators authorized by the coating manufacturer are to be used to install this coating system.**
 - B: Prior to commencement of any work, a minimum 2 m² (20 ft²) mock-up will be installed on site for each system. This will be viewed by all parties, and only when accepted will work of same system be allowed to proceed. The mock-up will serve as a benchmark for the installation of each system for the entire project.
- 1.05 SUBMITTALS: Comply with Section 01300.
- A: Product Data: Submit manufacturer's technical data, installation instructions, and general recommendations.
 - B: Samples: Submit color samples on rigid backing for selection and approval of owner's representative, architect or engineer.

1.06 PRODUCT DELIVERY AND STORAGE:

- A: Deliver materials to job site in sealed, undamaged containers clearly labelled with name and batch number.
- B: Store materials to comply with manufacturer's directions to prevent deterioration due to moisture, heat, cold, direct sunlight or any other causes.

1.07 JOB CONDITIONS:

- A: Provide temporary traffic barriers and supervision necessary to control traffic during coating operations.
- B: Ensure that storage areas for coating materials and floor surfaces are above 4°C (40°F) and below 29°C (85°F) for a minimum of 48 hours prior to installation.
- C: Commencement of installation implies acceptance of the concrete surface as suitable to receive the coating system.
- D: Apply coating materials in strict accordance to all safety and weather conditions as required by the manufacturer of coating materials or as required by Municipal, Provincial and Federal rules and regulations.

PART 2 - PRODUCTS

2.01 GENERAL: All components and products of the coating system shall be manufactured and supplied by a single manufacturer.

2.02 MANUFACTURER: DUOCHEM INC., 1250 Graham Bell, Boucherville, Quebec J4B 6H5, Telephone 450-655-6421 or 1 888 577-6421. Branch Offices: Dartmouth, N.S., 902-468-7878 or 1 877 829-9769; Toronto, Ont., 416-630-2736 or 1 800 268-7936; Western Ontario, 519-245-8151; Vancouver, B.C., 604-521-0572, Western Canada 1 877 455-9595.

2.03 POLYURETHANE FLOOR TOPPING SYSTEM: Ureclad 44 aggregate filled waterbased polyurethane flooring system, consisting of trowel applied topping. Available in red or grey colors.

- A: Primer: Self priming, not required
- B: Aggregate Topping: Ureclad 44
- C: Finish Coat: Not required

Note to Specifiers

Ureclad 44 is always anti-skid with one texture available only.

PART 3 - EXECUTION

3.01 INSPECTION: Examine surfaces and conditions under which flooring is to be applied. Moisture content of surfaces and building air temperatures must be within limits recommended by the flooring manufacturer. Do not start work until unsatisfactory conditions have been corrected. Application of materials indicates acceptance of surfaces.

A: Surfaces shall be free of membrane curing compounds, laitance, dust, dirt, grease, oil and other contaminants that may affect proper adhesion of the coating.

B: Surfaces to receive coating shall be equivalent to a light steel trowel finish for new or patched concrete surfaces.

C: Moisture content of the concrete shall be checked using a Delmhorst moisture meter. Moisture content shall be within the limits set by the manufacturer prior to commencing work.

D: Do not apply coating system if ambient temperature is below 4°C (40°) or above 32°C (90°F) or if relative humidity is above 80%.

3.02 SURFACE PREPARATION:

A: Thoroughly clean all surfaces to receive coating by steel shotblast, sandblast, or other method approved by manufacturer.

B: Remove projections and other conditions that may affect the installation of the flooring system.

C: Protect adjacent surfaces, fixtures and equipment with drop cloths or masking as necessary to prevent damage from surface preparation.

3.03 MATERIAL PREPARATION:

Carefully prepare and mix materials used in flooring work in compliance with manufacturer's instructions.

3.04 FLOORING APPLICATION:

Apply each component of flooring system in compliance with manufacturer's directions to produce a uniform monolithic wearing surface of 6 mm (1/4") thickness, uninterrupted except at sawn joints, or other types of joints, indicated or required.

Aggregate Topping Mix: Trowel apply aggregate topping mix directly to prepared concrete surface in one coat and at spreading rate required to produce minimum thickness specified. Allow topping to harden at least 8 hours before traffic.

3.05 COVE BASE: Apply flooring system to wall surfaces to form base with cove of radius and height as indicated. Round interior and exterior corners.

Note to Specifics

Cove bases are optional. System may be installed without coved base. If installed without coved base specify a premanufactured base product.

3.06 JOINTS:

Where substrate is interrupted by expansion or control joints, provide joint in flooring to comply with details indicated, or if not indicated, as recommended by flooring manufacturer. Fill joints with Duropli elastomeric caulking compound manufactured by Duochem Inc. or as specified in Section 07900.

3.07 CLEANING AND PROTECTION:

- A: Clean uncured flooring materials from surfaces with warm water. Removal of cured materials requires scraping, chipping or grinding.
- B: Protect flooring materials from wear and damage during construction operations.
- C: Clean flooring just prior to final acceptance using materials and procedures recommended by flooring manufacturer.

END OF SECTION
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