



SECTION 03 39 23
DRYLOK® Natural Look Curing Membrane & Penetrating Sealer

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

- 1. Curing and hardening of freshly poured concrete to control water evaporation.

B. Related Sections:

- 1. Section 03 31 00 – Structural Concrete.
- 2. Section 03 35 00 – Concrete Finishing

1.3 REFERENCES

A. American Concrete Institute (ACI)

- 1. 308.1 – Specification for Curing Concrete

B. ASTM International (ASTM)

- 1. ASTM C 309 – Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.
- 2. ASTM D 16 – Standard Terminology for Paint, Related Coatings, Materials and Applications.

1.4 ACTION SUBMITTALS

- A. Submit under provisions of Section 01 30 00.

B. Product Data: For each type of product.

- 1. Include construction details, materials descriptions and tested physical properties.
- 2. Include manufacturer's instructions for evaluating, preparing and treating substrate.

C. Shop Drawings:

- 1. Show locations and extent of application.

D. Samples:

- 1. For each product specified, two cured samples, representing actual product color and texture.

1.5 QUALITY ASSURANCE

- A. Comply with Section 01 40 00.
- B. Qualifications:
 - 1. Manufacturer Qualifications: Company with minimum 15 years of experience in manufacturing of specified products and systems.
 - 2. Applicator Qualifications: Company with minimum of 5 years' experience in application of products as specified in this section on projects of similar size and scope, and employs installers and supervisors who are trained by and acceptable to product manufacturer.
 - a. Successful completion of a minimum of 5 projects of similar size and complexity to specified Work.
- C. Field Mock-up:
 - 1. Install at Project site or pre-selected area of building an area for field mock-up, as directed by Architect.
 - 2. Apply material in strict accordance with manufacturer's written application instructions.
 - 3. Manufacturer's representative or designated representative will review technical aspects; surface preparation, application, and workmanship.
 - 4. Field sample will be standard for judging workmanship on remainder of Project.
 - 5. Maintain field mock-up during construction for workmanship comparison.
 - 6. Do not alter, move, or destroy field mock-up until Work is completed and approved by Architect.
 - 7. Obtain Architect's written approval of field mock-up before start of material application, including approval of aesthetics, color, texture, and appearance.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Comply with Section 01 60 00.
- B. Comply with manufacturer's ordering instructions and lead-time requirements to avoid construction delays.
- C. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Transport and store in unopened containers and keep in clean, dry condition protected from rain, dew, and humidity.

1.7 PROJECT CONDITIONS

- A. Environmental Requirements:
 - 1. Do not apply outdoors in rain or when rain is expected within 48 hours. Do not apply above 90 degrees F (32 degrees C) or below 50 degrees F (10 degrees C) or when temperatures are expected to fall below 40 degrees F (4 degrees C) within 24 hours.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products from the following manufacturer:

1. United Gilsonite Laboratories (UGL), which is located at 1396 Jefferson Avenue, P.O. Box 70 Scranton, PA 18501; Customer Service: 1-800-845-5227 or 1-570-344-1202; Email: ugllabs@ugl.com; Website: www.ugl.com

B. Substitutions: Not Permitted.

C. Specifications and Drawings are based on manufacturer's proprietary literature from United Gilsonite Laboratories (UGL).

D. Single Source Limitation for Complete System: Obtain materials from a single manufacturer to create a complete system.

2.2 MATERIALS

A. Water-based liquid membrane-forming compound for curing concrete conforming to ASTM C309, Type 1, Class B.

1. Acceptable Product:

a. DRYLOK® Natural Look Curing Membrane & Penetrating Sealer.

2.3 MIXING

A. Stir DRYLOK® Natural Look Curing Membrane & Penetrating Sealer thoroughly before application. Do not thin or dilute.

B. Color:

1. Clear

PART 3 - EXECUTION

3.1 EXAMINATION

A. Comply with Section 01 70 00.

3.2 SURFACE PREPARATION

A. Ensure that substrates are sound and free of dust, dirt, paints, form oils, wax curing compounds, sealers or other contaminants that could impair bond of the coating.

3.3 APPLICATION - GENERAL

A. Stir DRYLOK® Natural Look Curing Membrane & Penetrating Sealer thoroughly before application.

B. Apply coating directly on to freshly placed concrete as soon as bleed water ceases to collect on the surface.

C. Apply coating by sprayer at a uniform rate in accordance with manufacturers written instructions.

3.4 CLEANING

A. Clean material from tools and equipment as instructed in the written instructions on the container or available on the manufacturer's website.

3.5 PROTECTION

- A. Protect work from traffic and damage of other trades during construction for up to 7 days after placement of concrete.

END OF SECTION