

GUIDE SPECIFICATION FOR SEALMASTIC™ DAMPPROOFING (EMULSION)

SECTION 07 11 13

EMULSION TYPE DAMPPROOFING COATING

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) format. The section must be carefully reviewed and edited by the architect or engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

Specifier Notes: W. R. MEADOWS® SEALMASTIC emulsion-type dampproofing coatings are ideal for reducing dampness and moisture infiltration through foundation walls, parapets, fire walls, tanks, culverts, cisterns, and bridge abutments. They are also applicable for stone-backing, above-grade cavity wall applications, and below-grade masonry wall dampproofing. The SEALMASTIC product line also helps to minimize internal structural damage from mildew and mold.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of an emulsion-type liquid-applied dampproofing membrane.

1.02 RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- A. Section 02622 - Foundation and Underslab Drainage.
- B. Section 03300 - Cast-in-Place Concrete.
- C. Section 07100 - Membrane Waterproofing.

1.03 REFERENCES

- A. Type I – Spray-grade dampproofing coating
 - 1. ASTM D1187 Type I
 - 2. ASTM D1127 Type III, Class I
- B. Type II – Brush-on or spray-grade dampproofing coating
 - 1. ASTM D1227 Type II, Class I
- C. Type III – Trowel-grade dampproofing coating
 - 1. ASTM D1227 Type II, Class I

1.04 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Submit manufacturer's product data and application instructions.

1.05 DELIVERY, STORAGE, AND HANDLING

Project Name 12/20/2022

07110-1

Emulsion Type Dampproofing Coating

- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store materials in a clean, dry area in accordance with manufacturer's instructions.
- C. Store at temperatures of 40° F (5° C) and above to facilitate handling.
- D. Do not store at temperatures above 90° F (32° C) for extended periods.
- E. Keep away from sparks and flames.
- F. Protect materials during handling and application to prevent damage or contamination.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Product not intended for uses subject to abuse or permanent exposure to the elements.
- B. Do not apply membrane when air or surface temperatures are below 35° F (2° C).
- C. Do not apply to frozen concrete.
- D. Do not apply when rain is imminent.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. W. R. MEADOWS, INC., PO Box 338, Hampshire, Illinois 60140-0338. (800) 342-5976. (847) 683-4500. Fax (847) 683-4544. Website: www.wrmeadows.com.

2.02 MATERIALS

Specifier Notes: The three types of solvent-type dampproofing coatings offered are:

SEALMASTIC TYPE I spray-grade is an asphalt-based, non-fibered, clay emulsion. Under normal use, it resists flow or sag. Its greater resistance to water is ideal where spray application is desired.

SEALMASTIC TYPE II brush-on/spray-grade is an asphalt-based clay emulsion with fibers specifically formulated to offer a tight film that combines both excellent strength and resistance to water.

SEALMASTIC TYPE III trowel-on grade is a trowel-applied, mineral colloid, asphalt emulsion fibrated with selected fibers and produced in an ideal, light trowel application consistency. SEALMASTIC TYPE III offers high weather, water, corrosion, and abrasion resistance. It can be used as an adhesive on foam board installations.

All SEALMASTIC products meet the VOC content limits of 500 g/L for Bituminous Coatings and Mastics as required by the U.S. EPA Architectural Coatings Rule.

- A. Spray-grade emulsion dampproofing should be an asphalt-based, non-fibered, clay emulsion. Under normal use, it resists flow or sag. Its greater resistance to water is ideal where spray application is desired.
 - 1. SEALMASTIC TYPE I Spray-Grade by W. R. MEADOWS.
- B. Brush/spray-applied emulsion dampproofing should be an asphalt-based, clay emulsion with fibers specifically formulated to offer a tight film that combines both excellent strength and resistance to water.
 - 1. SEALMASTIC TYPE II Brush/Spray-Grade by W. R. MEADOWS.

- C. Trowel-applied emulsion dampproofing should be a trowel-applied mineral colloid, asphalt emulsion fibrated with selected fibers and produced in an ideal, light-trowel application consistency. It should offer high weather, water, corrosion, and abrasion resistance. It can be used as an adhesive on foam board installations.
 - 1. SEALMASTIC TYPE III Trowel-Grade by W. R. MEADOWS.

2.03 ACCESSORIES

- A. Waterproofing Protection Course: PROTECTION COURSE.
- B. Rolled Matrix Drainage System: MEL-DRAIN™ Rolled Matrix Drainage System.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive membrane. Notify architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.

3.02 SURFACE PREPARATION

- A. Protect adjacent surfaces not designated to receive dampproofing.
- B. Clean and prepare surfaces to receive dampproofing in accordance with manufacturer's instructions.
- C. Do not apply dampproofing to surfaces unacceptable to manufacturer.
- D. Concrete surfaces must be clean, smooth, and free of standing water.
- E. Patch all holes and voids and smooth out any surface misalignments.

3.03 APPLICATION

- A. Apply dampproofing in accordance with manufacturer's instructions.
- B. Ensure accessory materials are compatible with membrane and approved by membrane manufacturer.

3.04 PROTECTION

- A. Protect membrane with immediate application of protection course if no drainage system is used or rolled matrix drainage system.
- B. Backfill within 24 - 48 hours using care to avoid damaging the dampproofing.

END OF SECTION