



# The Specification Guide



# SECTION 07 14 16

## COLD-FLUID APPLIED WATERPROOFING

### Multicoat BG 2000

This guide specification has been prepared by Multicoat Product Systems, in printed and electronic media, as an aid to specifiers in preparing written construction documents for a cold-fluid applied elastomeric waterproofing membrane. BG 2000 is a unique waterbased coating which forms an elastomeric waterproofing membrane with excellent bonding characteristics to most building materials. It is specifically designed for BELOW GRADE AND UNDERLAYMENT applications.

This guide specification intended use is for multiple applications. Delete the section and tile not applicable. Edit entire master to suit project requirements. Modify or add items as necessary. Delete items which are not applicable. Words and sentences within brackets [\_\_\_\_\_] reflect a choice to be made regarding inclusion or exclusion of a particular item or statement. This section may include performance, proprietary and descriptive type specifications. Edit to avoid conflicting requirements. Editor notes to guide the specifier are included between lines of asterisks to assist in choices to be made. Remove these notes before final printing of specification.

This guide specification is written around the Construction Specifications Institute (CSI) Section Format standards.

For specification assistance on specific product applications, please contact our offices or any of our local product representatives throughout the country.

Multicoat Product Systems reserves the right to modify these guide specifications at any time. Updates for this guide specification will be posted on the manufacturer's web site and/or in printed matter as they occur. Manufacturer makes no expressed or implied warranties regarding content, errors, or omissions in the information presented.

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

A. Drawings and other Contract Documents, listed in the agreement between the Owner and Contractor, apply to this Section.

##### 1.2 SUMMARY

A. Section includes Acrylic Waterbased coating which forms an elastomeric waterproofing membrane for below grade or underlayment applications.

##### 1.3 SUBMITTALS

A. Product Data:

1. Submit manufacturer's descriptive literature and product specifications for each product.
2. Submit laboratory tests or data that validate product compliance with the performance criteria specified.

##### 1.4 QUALITY ASSURANCE

A. Installer Qualifications:

1. Acceptable to manufacturer with documented experience on at least 2 projects of similar nature in past 2 years and/or training provided by the product manufacturer.

B. Manufacturer Qualifications:

1. Company specializing in manufacturing Products specified in this Section with minimum [10] years documented experience.

##### 1.5 DELIVERY AND STORAGE

A. Deliver, store off the ground and covered, handle and protect products from moisture in accordance with manufacturer's instructions.

B. Deliver materials in manufacturer's unopened containers, fully identified with brand, type, grade, class and all other qualifying information. Provide Material Safety Data Sheets for each product.

C. Take necessary precautions to keep products clean, dry and free of damage.

## PART 1 - GENERAL (Continued)

### 1.6 WARRANTY

- A. Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.

### 1.7 PROJECT CONDITIONS

- A. Do not apply if substrate temperature is below 40°F or above 100°F, or if ambient temperature below 40°F above 100°F.
- B. Do not apply if precipitation is expected within a twenty four (24) hour period.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. Multicoat Corporation 23331 Antonio Parkway, Rancho Santa Margarita, CA 92688, 877-685-8426, Email: info@multicoat.com, www.multicoat.com

### 2.2 MATERIALS

- A. Acrylic Waterbased coating which forms an elastomeric waterproofing membrane.
  - 1. Product: MULTICOAT BG 2000
  - 2. Tensile Bond Adhesion to Concrete: 335 psi (coh/adh) (ASTM C 297)
  - 3. Tensile Strength: 399 psi (ASTM D 412)
  - 4. Elongation: 319.3% (ASTM D 412)
  - 5. Hydrostatic Head: Pass 96 hrs./no effect (12" Water/Film @ 40mil)
  - 6. Hydro. Pressure: Pass > 45 psi<sup>1</sup>

### 2.3 ACCESSORY MATERIALS

- A. Drainage System: MULTICOAT'S LASTO DRAIN or equivalent is recommended.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates and adjoining construction, and conditions under which Work is to be installed. Do not proceed with Work until unsatisfactory conditions are corrected.
- B. Verify the following substrate conditions before application of waterproof lining:
  - 1. That substrate condition is satisfactory and in accordance with manufacturer's instructions.
  - 2. That concrete surfaces are free of voids, spalled areas, loose aggregate and sharp protrusions, and with no coarse aggregate visible.

### 3.2 PREPARATION

- A. Substrate must be structurally sound and free from grease, oil, dirt, dust, sealers, water repellents and other foreign materials which may interfere with proper bonding.
- B. Cracks must be repaired and all holes, voids, bee hives, etc. must be filled with suitable mortar or grout. They should be allowed to cure and scraped even with surface prior to application of MULASTICOAT waterproof membrane.
- C. Surface should be dry to touch prior to MULASTICOAT.
- D. New concrete should be aged a minimum of 7 to 20 days after pouring and at least 2 days after form removal before commencing applications.
- E. The entire substrate, including surface, should be in accordance with all applicable building codes.

### 3.3 APPLICATION

- A. General: Comply with waterproofing manufacturer's written instructions for application and curing.
  - 1. Spray one (1) heavy coat or roll two (2) coats of MULASTICOAT® BG 2000 over area to be waterproofed at a coverage rate of 35-45 sq. ft. per gallon.
  - 2. Allow to dry, then backfill.
- B. Insert Drainage system. Always use a drainage system at bottom of footing of retaining wall. MULTICOAT'S LASTO DRAIN or equivalent is recommended.
- C. FOR BELOW GRADE AND UNDERLAYMENT WATERPROOFING USE ONLY.
- D. Do not use if substrate is subject to negative side water or water vapor pressure.

END OF SECTION 071614



# Material Safety Data Sheet

