



## **DOWSIL™ PRODUCT SPECIFICATIONS INTRODUCTION**

### **THE DOW CHEMICAL COMPANY**

Dow provides a broad range of high-performance silicone sealants, preformed silicone seals, primers, and water-repellent silicone elastomeric coatings for the construction industry for both new and renovation projects.

### **PRODUCT SPECIFICATIONS**

The following product guide specification sections have been prepared to assist architects, engineers, and other design professionals in incorporating products by Dow into competitive bid construction projects. These guide specification sections consist of broad scope sections that include multiple products by Dow and narrow scope product specification sections focused on single sealants, seals, or primers manufactured by Dow.

Typically, the narrow scope product specifications will be incorporated into a broad scope specification section, such as SECTION 07 92 00 - JOINT SEALANTS; SECTION 07 01 91 - JOINT SEALANT RENOVATION; or SECTION 08 00 10 - STRUCTURAL SILICONE GLAZING, covering the supply and installation of several sealants and installation accessories. In other instances, the silicone sealants by Dow may be specified with the products or elements being sealed. For example, a sealant used for glazing might be specified in SECTION 08 80 00 - GLAZING and those for aluminum framing might be included in SECTION 08 40 00 ENTRANCES, STOREFRONTS, AND CURTAIN WALLS. On rare occasions, a narrow scope product specification might be used as a separate section focused specifically on provision and application of a single Dow product.

### **BROAD SCOPE SECTIONS:**

- Section 07 01 91 - Joint Sealant Renovation
- Section 07 19 19 - Silicone Water Repellent
- Section 07 92 00 - Joint Sealants
- Section 08 88 10 - Structural Silicone Glazing Sealants

### **NARROW SCOPE PREFORMED SILICONE SEALANT SEAL PRODUCT SPECIFICATIONS:**

- Section 07 91 01 - DOWSIL™ 123 Silicone Seal
- Section 07 91 02 - DOWSIL™ 123 Silicone Seal Custom Designs H.C.

### **NARROW SCOPE SILICONE SEALANT PRODUCT SPECIFICATIONS:**

- Section 07 92 01 - DOWSIL™ 756 SM Building Sealant
- Section 07 92 02 - DOWSIL™ 786 Silicone Sealant
- Section 07 92 03 - DOWSIL™ 790 Silicone Building Sealant
- Section 07 92 04 - DOWSIL™ 791 Silicone Weatherproofing Sealant
- Section 07 92 05 - DOWSIL™ 999 -A Silicone Glazing Sealant
- Section 07 92 06 - DOWSIL™ Contractors Weatherproofing Sealant
- Section 07 92 07 - DOWSIL™ Contractors Concrete Sealant
- Section 07 92 08 - DOWSIL™ Tub, Tile, and Ceramic Silicone Sealant

#### **NARROW SCOPE SEALANT PRIMER PRODUCT SPECIFICATIONS:**

- Section 07 92 21 - DOWSIL™ 1200 Prime Coat
- Section 07 92 22 - DOWSIL™ 1205 Prime Coat
- Section 07 92 23 - DOWSIL™ P5200 Adhesion Promoter
- Section 07 92 24 - DOWSIL™ Primer-C
- Section 07 92 25 - DOWSIL™ Construction Primer P

#### **NARROW SCOPE PARKING STRUCTURE SILICONE SEALANT SPECIFICATIONS:**

- Section 07 92 31 - DOWSIL™ NS Parking Structure Sealant (Non-Sag)
- Section 07 92 32 - DOWSIL™ SL Parking Structure Sealant (Self-Leveling)
- Section 07 92 33 - DOWSIL™ FC Parking Structure Sealant (Fast Cure)

#### **NARROW SCOPE STRUCTURAL SILICONE SEALANT SPECIFICATIONS:**

- Section 07 92 41 - DOWSIL™ 983 Silicone Glazing and Curtainwall Adhesive/Sealant
- Section 07 92 42 - DOWSIL™ 995 Silicone Structural Glazing Sealant
- Section 07 92 43 - DOWSIL™ 795 Silicone Building Sealant

#### **SECTION NUMBERS**

The above numbers and titles are based on classifications and numbering contained in MasterFormat - Master List of Numbers and Titles for the Construction Industry, 2004 Edition, published jointly by the Construction Specifications Institute (CSI) and Construction Specifications Canada (CSC). MasterFormat is a uniform system for organizing specification sections and other information in construction project manuals. This industry standard allows for the quick and easy retrieval of construction information. The 2004 MasterFormat replaces the previous edition of MasterFormat published in 1995. Listed below in parentheses are the previous five-digit numbers from the 1995 MasterFormat.

- Section 07 01 91 (07901) - Joint Sealant Renovation
- Section 07 19 19 (07191) - Silicone Water Repellent
- Section 07 92 00 (07900) - Joint Sealants
- Section 08 88 10 (08880) - Structural Silicone Glazing Sealants

Throughout this product guide specification, references are made to other specification sections that might be contained in the project manual. These references are presented as examples and coordination reminders. For each project, these references will need to be revised to reflect actual sections being used. 2004 MasterFormat numbers and titles and the corresponding 1995 MasterFormat numbers for these cross-referenced sections are as follows:

- Section 01 33 00 (01300) - Submittal Procedures.
- Section 01 40 00 (01400) - Quality Requirements.
- Section 01 63 00 (01630) - Product Substitution Procedures
- Section 01 78 00 (01780) - Closeout Procedures
- Section 008 40 00 (08400 or 08900) - Entrances, Storefronts, and Curtain Walls
- Section 08 80 00 (08800) – Glazing

## SECTION ORGANIZATION

The Dow guide specification sections have been organized according to SectionFormat - A Recommended Format for Construction Specification Sections, 1997 Edition, published jointly by CSI and CCS. SectionFormat provides a uniform approach to organizing specification text by placing information in three standard parts:

<b>PART 1 – GENERAL</b>	Describes administrative and procedural requirements.
<b>PART 2 – PRODUCTS</b>	Describes materials, products, and accessories to be incorporated into the construction project.
<b>PART 3 – EXECUTION</b>	Describes how the products will be installed at the construction site.

## EDITING

The Dow product guide specifications must be edited by the specifier for a specific project and to reflect the products, options, and applications being used. The guide sections have been written so that most editing can be accomplished by deleting unnecessary requirements and options. Depending on project requirements, some additional information will need to be added by the specifier. Options are indicated by [ ]. Notes to assist the specifier in selecting options and editing the specification guides are printed in bold and indicated with \*\*\*\*\*. For final editing, all brackets and notes should be deleted from the guides.

## METRIC EQUIVALENTS

Notes within the product specifications list U.S. Imperial dimensions followed by metric equivalents derived from System International Metric (SI) in parentheses. Within the specification text, Imperial dimensions are presented first in brackets, followed by SI metric equivalents, also in brackets. Depending on project requirements, either the Imperial or the SI metric equivalents will need to be deleted.

## END OF SECTION

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