

CASE FILE #PL201700166

**Acrylic Finish on Stucco
Installation Certification**

Acrylic Finish Manufacturer: DRYVIT

Acrylic Finish Type/ Brand: SANDPEBBLE BY DRYVIT

Project Address: 7997 SOUTHTOWN CTR.

BLOOMINGTON, MN

Plastering Contractor: SIGNATURE STUCCO CONCEPTS, INC.

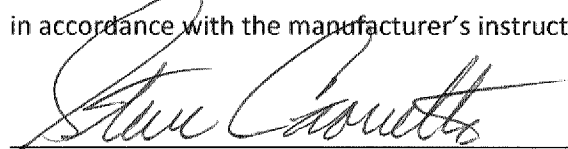
Address: 11157 205TH AVE NW

ELK RIVER, MN 55330

Phone: 763-241-4110 Cell: 612-328-8215

Plaster Contractor Listing # Issued by Acrylic Finish Manufacturer: 707244

I, the undersigned, hereby certify that the acrylic finish product at the above address has been installed in accordance with the manufacturer's instructions.



Signature of Authorized Plastering Contractor Representative

10/23/17

Date

**INSTALLATION CARD MUST BE LEFT AT THE JOBSITE WITH PERMIT DURING
COMPLETION OF WORK AND BEFORE FINAL INSPECTION**

**FINAL APPROVAL FOR OCCUPANCY WILL NOT BE GIVEN UNTIL THIS FORM IS COMPLETED AND
WITNESSED BY THE BUILDING INSPECTOR**

Building Inspector Signature

Date

Dryvit Textured Acrylic Finishes (TAFS)TM

100% Acrylic Exterior Architectural Coatings



Dryvit Textured Acrylic Finishes Specifications

INTRODUCTION

This document contains the Manufacturer's Standard Specification for Dryvit Textured Acrylic Finishes (TAFS). These specifications follow the Construction Specification Institute's MasterFormat.

TAILORING THE DRYVIT MANUFACTURER'S SPECIFICATIONS TO YOUR PROJECT.

These specifications cover all the common ways of using TAFS. Most projects use only a few of the possible combinations of these materials and methods. To tailor the specifications to your project, simply use those sections/materials which apply. Also, it may be prudent to place certain parts of the Dryvit TAFS Specification in other parts of the project's total specification, such as sealants and framing. The project design professionals are responsible for ensuring that the project specifications are suitable for the project. For assistance in preparing your specification, contact your Dryvit Distributor or Dryvit Systems, Inc.

UNITS

Standard International Units (SI) are included in parentheses after the English equivalents thus:

1/2 in (12.7 mm) 1.0 pcf (16 Kg/m³)

Please note that the conversions may not be exact but rather represent commonly used equivalents.

WARNING

Dryvit TAFS are architectural coatings and must be detailed to prevent water from entering behind the wall. Specifications should be followed and proper details adhered to, in order to prevent water intrusion, resulting in possible damage to the wall or other building elements. Care should be taken to insure that all building elements, including without limitations, roof designs, windows, flashings, sealants, etc., are compatible with this system.

DISCLAIMER

Information contained in this specification conforms to product recommendations for the installation of Dryvit TAFS products as of the date of publication of this document and is presented in good faith. Dryvit Systems, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most complete information, contact Dryvit Systems, Inc. at:

One Energy Way
West Warwick, RI 02893
(401) 822-4100
www.dryvit.com

** The Trained Contractor Certificate indicates certain employees of the company have been instructed in the proper application of Dryvit products and have received copies of Dryvit's Application Instructions and Specifications. The Trained Contractor Program is not an apprenticeship or endorsement. Each trained contractor is an independent company experienced in the trade and bears responsibility for its own workmanship. Dryvit Systems, Inc. assumes no liability for the workmanship of a trained contractor.

**DRYVIT SYSTEMS, INC.
MANUFACTURER SPECIFICATION
CSI MASTERFORMAT SECTION 09 96 00
DRYVIT TEXTURED ACRYLIC FINISHES**

PART I GENERAL**1.01 SUMMARY**

- A. This document is to be used in preparing specifications for projects utilizing Dryvit Textured Acrylic Finishes Option 1 and Option 2
- B. Related Sections
1. Unit Masonry – Section 04 20 00.
 2. Concrete – Sections 03 30 00 and 03 40 00.
 3. Cold Formed Metal Framing – Section 05 40 00
 4. Wood Framing – Section 06 11 00
 5. Joint Protection – Section 07 90 00
 6. Flashing – Section 07 60 00

1.02 REFERENCES

- A. Section Includes:
1. ASTM B 117 (Federal Test Standard 141A Method 6061) Standard Practice for Operating Salt Spray (Fog) Apparatus.
 2. ASTM C 67 Test Method for Sampling and Testing Brick and Structural Tile.
 3. ASTM C 150 Standard Specification for Portland Cement.
 4. ASTM C 297 Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions.
 5. ASTM C 578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
 6. ASTM D 968 (Federal Test Standard 141A Method 6191) Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive.
 7. ASTM D 2247 (Federal Test Standard 141A Method 6201) Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
 8. ASTM D 3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
 9. ASTM D 4060 Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser.
 10. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials.
 11. ASTM E 96 Standard Test Method for Water Vapor Transmission of Materials.
 12. ASTM E 331 Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
 13. ASTM E 2098 (Formerly EIMA Method 105.01) Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for Use in Class PB Exterior Insulation and Finish Systems (EIFS) after Exposure to Sodium Hydroxide Solution.
 14. ASTM E 2134 Test Method for Evaluating the Tensile-Adhesion Performance of Exterior Insulation and Finish Systems (EIFS)
 15. ASTM E 2430 Standard Specification for Expanded Polystyrene (EPS) Thermal Insulation Boards for use in Exterior Insulation and Finish Systems (EIFS)
 16. ASTM E 2485 (formerly EIMA Std. 101.01) Standard Test Method for Freeze-Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water-Resistive Barrier Coatings
 17. ASTM E 2486 (formerly EIMA Std. 101.86) Standard Test Method for Impact Resistance of Class PB and PI Exterior Insulation and Finish Systems (EIFS)
 18. ASTM G 154 Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.
 19. ASTM G 155 (Federal Test Standard 141A Method 6151) Standard Practice for Operating-Xenon Arc Light Apparatus, for Exposure of Nonmetallic Materials.
 20. DS151, Custom Brick™ Polymer System Specifications For Use On Vertical Walls.
 21. DS152, Dryvit Cleaning and Recoating.
 22. DS153, Expansion Joints/Sealants.
 23. DS159, Dryvit Water Vapor Transmission.
 24. DS191, Dryvit Cement Board MD Finish System Specifications.
 25. DS193, Dryvit ICF Finish System Details.
 26. DS194, Dryvit ICF Finish System Specifications.
 27. DS204, Dryvit Outsulation® System Application Instructions.
 28. DS456, Rapidry DM™ 35-50 or DS457, Rapidry DM™ 50-75 Data Sheets.
 29. DS705, Reflectit™
 30. ICC ES AC219 Exterior Insulation and Finish Systems.

1.03 DEFINITIONS

- A. Contractor: The contractor that applies materials to the substrate.
- B. Dryvit: Dryvit Systems, Inc., the manufacturer of the coating materials, a Rhode Island corporation.
- C. Lamina: The layer consisting of the reinforced base coat and finish materials.
- D. Finish: An acrylic based finish, available in a variety of textures and colors, which is applied to the prepared wall surface.
- E. Reinforced Base Coat: The layer consisting of fiberglass reinforcing mesh fully embedded in the base coat material applied to the outside surface of the substrate.
- F. Reinforcing Mesh: Glass fiber mesh used to reinforce the base coat.
- G. Substrate: The material to which Dryvit TAFS are applied.

1.04 DESCRIPTION

- A. Dryvit TAFS are exterior architectural coatings and are available in two configurations:
 - 1. Dryvit TAFS Option 1 consists of a Dryvit acrylic primer and Dryvit finish applied to various substrates.
 - 2. Dryvit TAFS Option 2 consists of a Dryvit base coat, Dryvit reinforcing mesh, Dryvit acrylic primer (when specified) and Dryvit acrylic finish applied to various substrates.
- B. Design Requirements
 - 1. Acceptable surfaces for Dryvit Textured Acrylic Finishes include:
 - a. Poured-in-place and precast concrete.
 - b. Unglazed brick and masonry units.
 - c. Cement plaster.
 - d. Insulated Concrete Forms (ICF'S) (TAFS Option 2 only) – Refer to Dryvit ICF specification (DS194).
 - e. EPS surfaced panels (TAFS Option 2 only) meeting ASTM C 578 Type I Properties.
 - f. Exterior cement and calcium silicate boards (without joints). **NOTE: When bridging sheathing joints, refer to Dryvit Specification DS191.**
 - 2. Deflection of substrate systems shall not exceed 1/240 times the span.
 - 3. Substrate systems shall be designed to meet all local building code requirements and shall be approved for use on this project.
 - 4. Vapor Retarders – The use and location of vapor retarders within a wall assembly is the responsibility of the project designer and shall comply with local building code requirements. The type and location shall be noted on the project drawings and specifications. Vapor retarders may be inappropriate in certain areas and can result in condensation within the wall assembly. Refer to Dryvit Publication DS159 for additional information.
 - 5. Projecting surfaces shall have a minimum slope of 6:12 and maximum length of 12 in (305 mm).
 - 6. The substrate shall be clean, smooth, planar and free of surface imperfections that would interfere with application of a surface coating.
 - 7. Dryvit texture acrylic finishes (TAFS) are limited to above grade uses.
 - 8. Dark Colors – For application over EPS, the use of dark colors must be considered in relation to wall surface temperature as a function of local climatic conditions. Use of dark colors in high temperature climates can affect the performance of the EPS substrate.
 - 9. Sealants
 - a. Shall be manufactured and supplied by others.
 - b. Shall be compatible with Dryvit TAFS materials. Refer to current Dryvit publication DS153 for listing of sealants tested by sealant manufacturers for compatibility.
 - c. The sealant backer rod shall be closed cell.

Textured Acrylic Finishes (TAFS) Specifications

DS197

C. Performance Requirements: As a minimum the Dryvit materials shall be tested as follows:

1. Durability:

TEST	TEST METHOD	CRITERIA	RESULTS
Abrasion Resistance	ASTM D 968	No deleterious effects after 528 quarts (500 liters)	No deleterious effects after 1056 quarts (1000 liters)
Accelerated Weathering	ASTM G 155 Cycle 1	No deleterious effects after 2000 hours	No deleterious effects after 5000 hours
	ASTM G 154 Cycle 1 (QUV)		No deleterious effects after 5000 hours
Freeze-Thaw	ASTM E 2485 (formerly EIMA 101.01)	No deleterious effects after 60 cycles	Passed - No deleterious effects after 90 cycles
	ASTM C 67 modified	No deleterious effects after 60 cycles	Passed - No deleterious effects after 60 cycles
	ICC ES Procedure	No deleterious effects after 10 cycles	Passed - No deleterious effects after 10 cycles
Mildew Resistance	ASTM D 3273	No growth during 28 day exposure period	No growth during 60 day exposure period
Moisture Resistance	ASTM D 2247	No deleterious effects after 14 days exposure	No deleterious effects after 42 days exposure
Taber Abrasion	ASTM D 4060	N/A	Passed 1000 cycles
Salt Spray Resistance	ASTM B 117	No deleterious effects after 300 hours exposure	No deleterious effects after 1000 hours exposure
Water Penetration***	ASTM E 331 ICC ES (AC219)	No water penetration beyond the inner-most plane of the wall after 2 hours at 6.24 psf (300 Pa)	Passed
Alkali Resistance of Reinforcing Mesh	ASTM E 2098 (formerly EIMA 105.01)	> 120 pli (21dN/cm) retained tensile strength after exposure	Passed
Water Vapor Transmission	ASTM E 96	Vapor permeable	EPS 5 perm-inch Base Coat* 40 perms Finish** 40 perms
Tensile Bond	ASTM C 297/E 2134	Minimum 15 psi (104 kPa) – substrate or insulation failure	Minimum 19.1 psi (132 kPa)
* Based on Dryvit Genesis® ** Based on Dryvit Quarzputz® *** TAFS Option 2			

2. Impact Resistance: In accordance with ASTM E 2486 (formerly EIMA Standard 101.86):

Reinforcing Mesh ¹ /Weight oz/yd ² (g/m ²)	Minimum Tensile Strengths	EIMA Impact Classification	EIMA Impact Range in-lbs (Joules)		Impact Test Results in-lbs (Joules)	
Standard - 4.3 (146)	150 lbs/in (27 g/cm)	Standard	25-49	(3-6)	36	(4)
Standard Plus™ - 6 (203)	200 lbs/in (36 g/cm)	Medium	50-89	(6-10)	56	(6)
Intermediate™ - 12 (407)	300 lbs/in (54 g/cm)	High	90-150	(10-17)	108	(12)
Panzer® 15 ² - 15 (509)	400 lbs/in (71 g/cm)	Ultra High	>150	(>17)	162	(18)
Panzer 20 ² - 20.5 (695)	550 lbs/in (98 g/cm)	Ultra High	>150	(>17)	352	(40)
Detail Mesh® Short Rolls – 4.3 (146)	150 lbs/in (27 g/cm)	n/a	n/a	n/a	n/a	n/a
Corner Mesh™ - 7.2 (244)	274 lbs/in (49 g/cm)	n/a	n/a	n/a	n/a	n/a
1. It shall be colored blue and bear the Dryvit logo for product identification 2. Shall be used in conjunction with Standard Mesh Values based on testing over EPS substrate						

3. Fire performance

TEST	TEST METHOD	CRITERIA	RESULTS
Flame Spread	ASTM E 84	All components shall have a Flame Spread Index ≤ 25 Smoke Developed Index ≤ 450	Passed

Textured Acrylic Finishes (TAFS) Specifications**DS197****1.05 SUBMITTALS**

- A. Product Data: The contractor shall submit to the owner/architect manufacturer's product data sheets describing products, which will be used on the project.
- B. Samples: The contractor shall submit to the owner/architect two samples of each finish, texture, and color to be used on the project. The same tools and techniques proposed for the actual installation shall be used to prepare the samples. Samples shall be of sufficient size to accurately represent each color and texture to be utilized on the project.
- C. Test Reports: When requested, the contractor shall submit to the owner/architect copies of selected test reports verifying the performance of the system materials.

1.06 QUALITY ASSURANCE

- A. Qualifications
 - 1. Manufacturer: Shall be Dryvit Systems, Inc. All materials shall be manufactured or sold by Dryvit and shall be purchased from Dryvit or its authorized distributor.
 - a. Materials shall be manufactured at a facility covered by a current ISO 9001:2008 and ISO 14001:2004 certification. Certification of the facility shall be done by a registrar accredited by the American National Standards Institute, Registrar Accreditation Board (ANSI-RAB).
 - 2. Contractor: Shall be knowledgeable in the installation of the Dryvit materials and shall be experienced and competent in the application of Dryvit Textured Acrylic Finishes. Additionally, the contractor shall possess a current trained contractor certificate** from Dryvit for any of its Exterior Insulation and Finish Systems.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. All Dryvit materials shall be delivered to the job site in the original, unopened packages with labels intact.
- B. Upon arrival, materials shall be inspected for physical damage, freezing, or overheating. Questionable materials shall not be used.
 - 1. Materials shall be stored at the job site, and at all times, in a cool, dry location, out of direct sunlight, protected from weather and other sources of damage. Minimum storage temperature shall be as follows:
 - a. DPR, PMR™, HDP™, Weatherlastic® and E™ Finishes, Color Prime™, Primus®, Genesis® and NCB™: 40 °F (4 °C).
 - b. For other products, refer to specific product data sheets.
 - 2. Maximum storage temperature shall not exceed 100 °F (38 °C). **NOTE: Minimize exposure of materials to temperatures over 90 °F (32 °C). Finishes exposed to temperatures over 110 °F (43 °C) for even short periods may exhibit skinning, increased viscosity and should be inspected prior to use.**
- C. Protect all products from inclement weather and direct sunlight.

1.08 PROJECT CONDITIONS

- A. Environmental Requirements
 - 1. Application of wet materials shall not take place during inclement weather unless appropriate protection is provided. Protect materials from inclement weather until they are completely dry.
 - 2. At the time of Dryvit product application, the air and wall surface temperatures shall be from 40 °F (4 °C) minimum to 100 °F (38 °C) maximum for the following products:
 - a. DPR, PMR, HDP, Weatherlastic and E Finishes™, Color Prime, Primus, Genesis and NCB.
 - b. For other products, refer to specific product data sheets.
 - 3. These temperatures shall be maintained with adequate air ventilation and circulation for a minimum of 24 hours (48 hours for Weatherlastic Finishes, Ameristone, TerraNeo and Limestone) thereafter, or until the products are completely dry. Refer to published product data sheets for more specific information.
- B. Existing Conditions: The contractor shall have access to electric power, clean water, and a clean work area at the location where the Dryvit materials are to be applied.

1.09 SEQUENCING AND SCHEDULING

- A. Installation of the Dryvit Textured Acrylic Finishes shall be coordinated with other construction trades.
- B. Sufficient manpower and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffold lines, texture variations, etc.

1.10 LIMITED MATERIALS WARRANTY

- A. Dryvit Systems, Inc. shall provide a written limited materials warranty against defective materials, upon written request. Dryvit shall make no other warranties, expressed or implied. Dryvit is not liable for incidental or consequential damages. Dryvit does not warrant workmanship.

- B. The applicator shall warrant workmanship separately. Dryvit shall not be responsible for workmanship associated with the installation of the Dryvit Textured Acrylic Finishes.

1.11 DESIGN RESPONSIBILITY

- A. It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for its intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings, and the like. Dryvit has prepared guidelines in the form of specifications and product data sheets to facilitate the design process only. Dryvit is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, or the like, whether based upon the information prepared by Dryvit or otherwise, or for any changes which purchasers, specifiers, designers, or their appointed representatives may make to Dryvit's published comments.

1.12 MAINTENANCE

- A. Maintenance and repair shall follow the procedures noted in Dryvit Outsulation System Application Instructions, DS204.
- B. All Dryvit products are designed to minimize maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DS152 on Cleaning and Recoating.
- C. Sealants, flashings and other building envelope components shall be inspected on a regular basis and repairs made as necessary.

PART II PRODUCT**2.01 MANUFACTURER**

- A. All Dryvit Textured Acrylic Finishes shall be obtained from Dryvit or its authorized distributors. Substitutions or additions of materials other than specified will void the warranty.

2.02 MATERIALS

- A. Portland Cement: Shall be Type I or II, meeting ASTM C 150, white or gray in color, fresh and free of lumps.
- B. Water: Shall be clean and free of foreign matter.

2.03 COMPONENTS

- A. Base Coat (when specified) (required with TAFS Option 2 over EPS insulation): Shall be compatible with the substrate and reinforcing mesh(es).
1. Cementitious: A liquid polymer based material, which is field-mixed in a 1:1 ratio by weight with Portland cement.
 - a. Shall be Primus or Genesis.
 2. Ready mixed: A dry blend cementitious, co-polymer based product, field mixed with water.
 - a. Shall be Primus® DM, Genesis® DM, Genesis® DMS, Rapidry DM 35-50 or Rapidry 50-75.
 3. Noncementitious: A factory-mixed, fully formulated, water-based product.
 - a. Shall be NCB.
- B. Reinforcing Mesh(es) (when specified) (required with TAFS Option 2 over EPS insulation): Shall be a balanced open weave, glass fiber fabric treated for compatibility with other TAFS materials. **NOTE: Reinforcing meshes are classified by impact resistance and specified by weight and tensile strength as listed in Section 1.04.C.2.**
1. Shall be Standard, Standard Plus, Intermediate, Panzer 15, Panzer 20, Detail and Corner Mesh.
 2. Shall be colored blue for product identification bearing the Dryvit logo.
- C. Primers
1. Color Prime: Pigmented, acrylic based primer used to improve adhesion and uniformity of finish color.
 2. Primer with Sand™: Pigmented acrylic based primer with sand improves adhesion and uniformity of finish color as well as application of trowel-applied finishes.
 3. Color Prime-W™: A water based acrylic, semi transparent primer for use over cement plaster and other cementitious substrates. **NOTE: Because it is semi transparent, tinted colors are affected by the color of the substrate.**
- D. Finish: Shall be the type, color and texture as selected by the architect/owner and shall be one or more of the following:
1. Standard DPR (Dirt Pickup Resistance): Water-based, acrylic coating with integral color and texture and formulated with DPR chemistry:
 - a. Quarzputz® DPR: Open-texture
 - b. Sandblast® DPR: Medium texture
 - c. Freestyle® DPR: Fine texture

Textured Acrylic Finishes (TAFS) Specifications

DS197

- e. Sandpebble® DPR: Pebble texture
- f. Sandpebble® Fine DPR: Fine pebble texture.
- 2. Hydrophobic (HDP™) Finishes: 100% acrylic coating with integral color and texture and formulated with hydrophobic properties:
 - a. Quarzputz® HDP
 - b. Sandblast® HDP
 - c. Sandpebble® HDP
 - d. Sandpebble® Fine HDP
 - e. Limestone™ HDP
 - f. Finesse™ HDP
- 3. E: Water-based, lightweight acrylic coating with integral color and texture and formulated with DPR chemistry:
 - a. Quarzputz® **E**
 - b. Sandpebble® **E**
 - c. Sandpebble® Fine **E**
- 4. Specialty: Factory mixed, water-based acrylic:
 - a. Ameristone: Multi-colored quartz aggregate with a flamed granite appearance.
 - b. Stone Mist®: Ceramically colored quartz aggregate.
 - c. Custom Brick Polymer Finish: Acrylic polymer-based finish used in conjunction with a proprietary template system to create the look of stone, brick, slate or tile.
 - d. TerraNeo: 100% acrylic-based finish with large mica chips and multi-colored quartz aggregates.
 - e. Limestone: A premixed, 100% acrylic-based finish designed to replicate the appearance of limestone blocks.
 - f. Reflectit™: 100% acrylic coating providing a pearlescent appearance.
 - g. Finesse: A smooth 100% acrylic-based dirt pickup resistance finish.
- 5. Elastomeric DPR (Dirt Pickup Resistance): Water-based elastomeric acrylic coating with integral color and texture and formulated with DPR chemistry:
 - a. Weatherlastic® Quarzputz
 - b. Weatherlastic® Sandpebble
 - c. Weatherlastic® Sandpebble Fine
 - d. Weatherlastic® Adobe
- 6. Medallion Series PMR (Proven Mildew Resistance): Water-based acrylic coating with integral color and texture and formulated with PMR chemistry:
 - a. Quarzputz® PMR
 - b. Sandblast® PMR
 - c. Freestyle® PMR
 - d. Sandpebble® PMR
 - e. Sandpebble® Fine PMR
- 7. Coatings and Sealers:
 - a. Demandit® Smooth
 - b. Demandit® Sanded
 - c. HDP™ Water-Repellent Coating
 - d. Weatherlastic® Smooth
 - e. Tuscan Glaze™
 - f. SealClear™

PART III EXECUTION

3.01 EXAMINATION

- A. Prior to application of Dryvit TAFS, the contractor shall ensure that the substrate is of a type listed in Section 1.04.B.1
- B. Prior to the installation of Dryvit TAFS, the architect or general contractor shall insure that all needed flashings and other waterproofing details have been completed, if such completion is required prior to the application of Dryvit TAFS.
- C. The contractor shall notify the general contractor and/or architect and/or owner of all discrepancies. Work shall not proceed until discrepancies have been corrected.

3.02 SURFACE PREPARATION

- A. The substrates shall be prepared so as to be free of foreign materials such as oil, dust, dirt, form-release agents, efflorescence, paint, wax, water repellents, moisture, frost and any other materials that inhibit adhesion.
- B. Concrete and masonry
 - 1. Shall be dry and cured a minimum of 28 days.
- C. ICF (Insulated Concrete Forms) (TAFS Option 2 is required)
 - 1. Refer to ICF Specifications (DS194) and ICF Details (DS193).

2. All gaps between ICF blocks shall be slivered with pieces of EPS.
3. The entire surface of the EPS shall be rasped to remove any UV degradation and provide a smooth, level surface for TAFS Option 2.
- D. EPS Surfaced Panels (TAFS Option 2 is required)
 1. EPS shall meet the requirements of ASTM E 2430 and Dryvit specification DS131.
 2. All gaps between EPS pieces shall be slivered with pieces of EPS.
 3. The entire surface of the EPS shall be rasped to remove any UV degradation and provide a smooth, level surface for TAFS Option 2.
 4. EPS shall be properly supported by and attached to the substrate.
- E. Cement Plaster
 1. Plaster shall be dry and fully cured prior to application of coatings.
 2. Plaster shall be floated using a wood or hard rubber float to ensure a surface with adequate "tooth" for the finish application. **NOTE: Floating to an excessively smooth surface is not recommended and may result in cracking or poor adhesion of the finish coat.**
- F. Exterior Cement and Calcium Silicate Boards (without joints)
 1. Board surfaces shall be clean, dry and free of dust or other contaminants.
 2. All fasteners shall be corrosion resistant and installed in a manner as to be flush with the surface of the board.
- G. Painted Surfaces
 1. Shall be cleaned to remove all loose paint, dirt, dust, chalk, and any other materials that may inhibit adhesion.
 2. Glossy surfaces shall be sanded to remove gloss and cleaned.
 3. Test patches, located in inconspicuous areas should be prepared to verify adhesion. A minimum of one test every 500 sq. ft. (46 m²) of wall area is recommended.

3.03 INSTALLATION

- A. The Dryvit materials shall be mixed and applied in accordance with current Dryvit printed product data sheets.
- B. Masonry Surfaces
 1. Apply a continuous layer of Genesis or Genesis DM mixture over the entire wall surface to fill voids and provide a smooth level base for primer and finish application. Application thickness shall not exceed 1/8 in (3 mm) in a single pass.
 2. When specified, a layer of reinforcing mesh is embedded into the wet base coat mixture and troweled smooth.
 3. Allow the base coat mixture to cure a minimum of 24 hours until completely dry. Cool, humid conditions may require longer cure times.
 4. Using a brush, roller, or airless spray equipment, apply a coat of Color Prime or Primer with Sand over the dry base coat surface, and allow to dry.
 5. Apply the specified finish in accordance with Dryvit's printed installation instructions.
- C. ICF (Insulated Concrete Forms) (TAFS Option 2 only)
 1. Refer to printed Dryvit ICF Specifications (DS194) and ICF Details (DS193).
 2. When specified, high impact meshes shall be installed at ground level, high traffic areas, and other areas exposed to or susceptible to impact damage.
- D. Cement Plaster, Poured in Place and Precast Concrete Surfaces
 1. When specified, apply a continuous layer of Genesis or Genesis DM mixture over the entire wall surface to fill small voids and provide a smooth level base for primer and finish application. Application thickness shall not exceed 1/8 in (3 mm) in a single pass.
 2. When specified, a layer of reinforcing mesh is embedded into the wet base coat mixture and troweled smooth.
 3. Allow the base coat to cure a minimum of 24 hours until completely dry. Cool, humid conditions may require longer cure times.
 4. Using a brush, roller, or airless spray equipment, apply a coat of Color Prime or Primer with Sand over the dry base coat or cleaned substrate, and allow to dry.
 5. Apply the specified finish in accordance with Dryvit's printed installation instructions for the specific finish being used.
- E. EPS Surfaced Panels (TAFS Option 2 only)
 1. Dryvit reinforced base coat shall be applied in accordance with current Dryvit Outsulation System Application Instructions DS204.
 2. Apply a continuous layer of base coat and reinforcing mesh over the entire EPS surface in accordance with published instructions for the specific base coat being used.
 3. All EPS terminations shall be encapsulated with reinforced base coat.
 4. When specified, high impact meshes shall be installed at ground level, high traffic areas, and other areas exposed to or susceptible to impact damage.
 5. Allow the base coat mixture to cure a minimum of 24 hours until completely dry. Cool, humid conditions may require longer cure times.

Textured Acrylic Finishes (TAFS) Specifications**DS197**

6. Apply the specified finish in accordance with Dryvit's printed installation instructions for the specific finish being used.
- F. Exterior Cement and Calcium Silicate Boards (without joints)
 1. When specified, apply a continuous layer of Genesis over the sheathing face and embed a layer of reinforcing mesh into the wet base coat mixture such that the entire surface of the board is covered.
 2. Allow the base coat to cure a minimum of 24 hours until completely dry. Cool, humid conditions may require longer cure times.
 3. If base coat is not specified, using a brush, roller, or airless spray equipment, apply a coat of Color Prime Color Prime-W, or Primer with Sand over the face of the sheathing board and allow to dry.
 4. Apply the finish in accordance with Dryvit's printed installation instructions for the specified finish.
- G. Painted Surfaces
 1. Apply the finish in accordance with Dryvit's printed installation instructions for the specified finish.

NOTE: It is not recommended to skim painted surfaces with a cementitious base coat material.
- H. When specified, the base coat shall be applied such that the overall minimum thickness shall be sufficient to fully embed the mesh. The recommended method is to apply the base coat in two (2) passes.
- I. Sealant shall not be applied directly to textured finishes or base coat surfaces. Base coat surfaces which will be in direct contact with sealant shall be coated with Demandit Smooth or Color Prime.

3.04 FIELD QUALITY CONTROL

- A. The contractor shall be responsible for the proper application of Dryvit TAFS.
- B. Dryvit assumes no responsibility for on-site inspections or application of its products.
- C. If required, the contractor shall certify in writing the quality of work performed relative to the substrate system, details, installation procedures, workmanship and as to the specific products used.
- D. If required, the sealant contractor shall certify in writing that the sealant application is in accordance with the sealant manufacturer's and Dryvit's recommendations.

3.05 CLEANING

- A. All excess Dryvit materials shall be removed from the job site by the contractor in accordance with contract provisions and as required by applicable law.
- B. All surrounding areas, where Dryvit TAFS have been installed, shall be left free of debris and foreign substances resulting from the contractor's work.

3.06 PROTECTION

- A. Dryvit TAFS shall be protected from weather and other sources of damage until dry and permanent protection in the form of flashings, sealants, etc. are installed.

DPR FINISHES

DS416**“Original” Aggregate Textured 100% Acrylic-Based Dirt Pickup Resistance Finishes****Description**

Quarzputz®, Sandblast®, Freestyle®, Sandpebble®, and Sandpebble® Fine finishes are premixed 100% acrylic-based coatings which are offered in standard colors as well as custom colors. They provide the finishing touch that adds lasting color and texture to exterior and interior walls. These are the original five finish textures with DPR (dirt pickup resistant) chemistry that will remain clean longer after application.

Uses

DPR finishes are durable architectural finishes providing surface color and texture for Dryvit systems. These finishes can also be applied over properly prepared substrates such as exterior masonry, stucco, precast or cast-in-place concrete and other approved substrates. The finishes are also suitable for interior applications. All finishes can be trowel applied or spray applied with a hopper gun or pole gun-type sprayer.

Coverage

All coverages are approximate and depend upon substrate, details and individual application technique. The finishes are shipped in 70 lb (32 kg) pails.

Quarzputz: approximately 140 ft² (13 m²) per pail.

Sandblast: approximately 150 ft² (14 m²) per pail.

Freestyle: Must be calculated based on the texture desired. However, a coating thickness of 1/16 in (1.6 mm) to 1/4 in (6.4 mm) must be maintained.

Sandpebble: approximately 130 ft² (12 m²) per pail.

Sandpebble Fine: approximately 160 ft² (15 m²) per pail.

Texture

Quarzputz, Sandblast, Sandpebble and Sandpebble Fine finishes achieve a texture which is governed by aggregate size as well as the trowel motion in finishing the

wall. Quarzputz produces an open-textured pattern in a regular or random style. Sandblast produces a sand-like texture. Sandpebble produces a rough, pebbly texture, which is ideal for masking surface imperfections. Freestyle allows almost any ornamental trowel texture to be achieved. Sandpebble Fine produces a fine pebble texture.

Properties

Drying Time - Drying of the finishes is dependent on the air temperature, relative humidity and finish thickness. Under average drying conditions [70 °F (21 °C), 55% R. H.], the finish will dry in 24 hours. Lower temperature and higher humidity will require that the DPR finish be protected for longer periods. Protect work from rain during the drying period.

Testing Information

For individual test data on this product's properties, refer to the chart included with this document.

Application Procedure

Job Conditions - Air and surface temperature for application of finishes must be 40 °F (4 °C) or higher and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided at all times until the DPR finish is dry, and installation of permanent flashings, sealants, etc. are completed to protect the wall from inclement weather and other sources of damage.

Surface Preparation

- Surface must be smooth and free of imperfections to ensure satisfactory appearance.
- Interior or exterior surfaces must be above 40 °F (4 °C) and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.
- **Dryvit Reinforced Base Coat:** The base coat must dry and cure

for a minimum of 24 hours before application of any finish.

- **Concrete:** Shall have cured a minimum of 28 days prior to application of the finishes. If efflorescence, form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed and small voids filled with Dryvit Primus®, Primus® DM, Genesis® or Genesis® DM mixture (see product data sheets for mixing and application). Dryvit Color Prime™ shall be applied to the prepared concrete surface using a roller or brush (see product data sheet for mixing and application) prior to application of the finish.
- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Primus, Primus DM, Genesis or Genesis DM mixture (see product data sheets for mixing and application) to produce a smooth, level surface.
- **Stucco:** Dryvit Color Prime, Color Prime W™ or Primer with Sand™ shall be applied over the cured brown coat surface using a roller or brush (see product data sheet for mixing and application) prior to applying the finish. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

Mixing – Some settling of the finish may occur during shipping. Thoroughly mix the finish with a "Twister" paddle or equivalent mixing blade powered by a 1/2 in (12.7 mm) drill, 450-500 rpm, until a uniform workable consistency is attained.

Application

- **Quarzputz or Sandblast:** using a stainless steel trowel, apply and level a coat of Quarzputz or Sandblast to a uniform thickness

(Quarzputz- no thicker than the largest aggregate; Sandblast - applied in a thickness of 3/64 in (1.2 mm) – approximately 1 1/2 times the largest aggregate). The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for uniformity of color and texture.

- **Sandpebble or Sandpebble**

Fine: roughly apply an even coat of finish to a thickness slightly thicker than the largest aggregate size. Then pull across the rough application coat using a horizontal trowel motion and develop a uniform thickness no greater than the largest aggregate of the material. The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for uniformity of color and texture.

- **Freestyle:** using a stainless steel trowel, apply a coat of the Freestyle slightly thicker than 1/16 in (1.6 mm). The texture is either pulled out of this base or achieved by adding more Freestyle finish to the base layer

using the same texturing motions that are used with other plaster materials, such as a skip trowel finish. The thickness of any Freestyle finish texture shall not exceed 1/4 in (6.4 mm).

Clean Up - Clean tools with water while the finishes are still wet.

Maintenance - All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DS152 on cleaning and recoating.

Storage

Finishes must be stored at a minimum of 40 °F (4 °C) and a maximum of 100 °F (38 °C) in tightly sealed containers out of direct sunlight.

Cautions and Limitations

- Dryvit finishes must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12 which is 27°. Maximum length of slope is 12 in (305 mm).

- Dryvit finishes shall not be used below grade when applied as the finish for an EIF System.
- Dryvit finishes are not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.
- Dryvit finishes shall not be returned into any sealant joint. Instead, a coat of Dryvit Color Prime or Dryvit Demandit® should be applied over the base coat in the joint.
- Minimize exposure of materials to temperatures over 90 °F (32 °C).
- Finishes exposed to temperatures over 110 °F (43 °C) for even short periods may exhibit skinning, increased viscosity, and should be inspected prior to use.

Technical and Field Services

Available on request.

DPR Finish Testing			
Test	Test Method	Criteria	Results ¹
Surface Burning Characteristics	ASTM E 84	ICC and ANSI/EIMA 99-A-2001 Flame Spread <25 Smoke Developed <450	Passed
Flexibility ²	ASTM D 522 Method B	No ICC or ANSI/EIMA Criteria	Passed: 1.5" diameter @ 73 °F
Water Vapor Transmission	ASTM E 96 Procedure B	ICC: Vapor Permeable No ANSI/EIMA Criteria	40 Perms
Accelerated Weathering	ASTM G 154 Cycle 1 (QUV)	ANSI/EIMA 99-A-2001 2000 hours: No deleterious effects ³	5000 hours: No deleterious effects ³
	ASTM G 155 Cycle 1 (Xenon Arc)	ICC: 2000 hours: No deleterious effects ³	2000 hours: No deleterious effects ³
Chalk Rating	ASTM D 4214 after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Chalk rating: 9+ after 5000 hours QUV
Instrumentally Measured Color Difference ⁴ (includes yellowing)	ASTM D 2244 CIELAB, 10° Observer after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Color change: 0.51 Delta E after 5000 hours QUV
Freeze-Thaw Resistance	ASTM E 2485 (formerly EIMA 101.01)	ANSI/EIMA 99-A-2001 60 cycles: No deleterious effects ³	90 cycles: No deleterious effects ³
	ASTM E 2485 ICC – ES Proc. (AC212)	ICC: 10 cycles No deleterious effect ³	10 cycles: No deleterious effects ³
Mildew Resistance	ASTM D 3273	ANSI/EIMA 99-A-2001 28 days: No growth	60 days: No growth
Salt Spray Resistance	ASTM B 117	ICC and ANSI/EIMA 99-A-2001 300 hours: No deleterious effects ³	1000 hours: No deleterious effects ³
Water Resistance	ASTM D 2247	ICC and ANSI/EIMA 99-A-2001 14 days: No deleterious effects ³	42 days: No deleterious effects ³
Abrasion Resistance	ASTM D 968 Method A Falling Sand	ANSI/EIMA 99-A-2001 528 quarts (500 liters): No deleterious effects ³	1057 quarts (1000 liters): No deleterious effects ³
	ASTM D 4060 Taber Abrasion (1 kg load)	No ICC or ANSI/EIMA Criteria	1000 cycles: .83 mg mass loss
Adhesion to Concrete	ASTM D 4541	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>200 psi
Tensile Bond	ASTM C 297/E 2134 (formerly EIMA 101.03)	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>25 psi

1. Testing referenced is based on Quarzputz Pastel Base.
2. Finish applied over aluminum panels, bent on cylindrical mandrels as described in ASTM D 522 Method B. Lower diameter indicates higher flexibility.
3. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification.
4. Delta E is total color difference, including yellowing, lightening, darkening, changes in red, blue, and green color values. Finish exposed to 5,000 hours of QUV prior to evaluating Delta E.

Dryvit Systems, Inc.
One Energy Way
West Warwick, RI 02893
(800) 556-7752
www.dryvit.com

Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit Systems, Inc. products as of the date of publication of this document and is presented in good faith. Dryvit Systems, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit Systems, Inc.

For more information on [Dryvit Systems](#) or [Continuous Insulation](#), visit these links.

