

PRIZMS™
Guide Specifications

IMPORTANT

ALWAYS DEMAND A MOCK UP FOR APPROVAL BEFORE THE INSTALLATION.

ALWAYS REQUEST A SAMPLE BE SUBMITTED BY THE APPLICATOR FOR DESIGN APPROVAL PRIOR TO COMMENCING WORK AT THE JOB SITE.

WHENEVER POSSIBLE, REQUEST THE SAMPLE TO BE APPLIED TO A SECTION OF SUBSTRATE ON THE JOB SITE.

SPECIFYING INTERNATIONAL PROJECTS

International projects require the foreign national contractor to contact TRIARCH for obtaining pricing and product information. Our toll free phone number does not work internationally.

Below is additional supplemental information that should be included in any international project specification or finish sheet. (4.)

Phone: (country code 01) 401-822-4100
Fax number: (country code 01) 401-822-2984
Website address: www.triarchinc.com

TRIARCH maintains limited relationships for distribution and contractor contacts in the following countries:

ALL ISLANDS IN THE CARIBBEAN, THROUGHOUT THE MIDDLE AND FAR EAST, SOUTH AMERICA, AND THE UNITED KINGDOM.

TRIARCH
GUIDE SPECIFICATIONS
SECTION 09960
PRIZMS

PART 1 - GENERAL

1.01 SUMMARY

- A. This document contains all the Manufacturer's requirements for the proper design, use, and installation of PRIZMS.
- B. SECTION INCLUDES:
 - 1. Interior Architectural Coatings
- C. RELATED SECTIONS:
 - 1. Unit Masonry – Section _____
 - 2. Concrete – Section _____
 - 3. Vapor Barriers – Section _____
 - 4. Gypsum Board Systems – Section _____

1.02 REFERENCES

- A. ASTM D 4060 Test Method for Abrasion Resistance of organic Coatings by the Taber Abraser.
- B. ASTM D 4828 Test Methods for Practical Washability of Organic Coatings.
- C. ASTM D 5590 Standard Test Method for Determining the Resistance of Paint Films and Related Coatings to Fungus Defacement by Accelerated Four-Week Agar Plate Assay
- D. ASTM E 84 Test Method for Surface Burning Characteristics of Building Materials.
- E. ASTM E 96 Test Methods for Water Vapor Transmission of Materials.
- F. DS159 Dryvit Water Vapor Transmission Data Sheet.

1.03 DEFINITIONS

- A. Contractor: The contractor that applies materials to the substrate.
- B. Triarch: a division of Dryvit Systems, Inc., the manufacturer of the coating materials, a Rhode Island corporation.

- C. Finish: An acrylic based coating which is applied to the prepared wall surface.
- D. Substrate: The material to which the Triarch coatings are applied.

1.04 DESCRIPTIONS

- A. General: PRIZMS is a three component interior finish system consisting of Prizms 1st STEP- a primer, Metaltex™ - a smooth metallic paint coating, and G-Coat™ - a coat of glass beads suspended in an acrylic binder.
- B. Design Requirements
 - 1. Acceptable surfaces for PRIZMS:
 - a. Concrete and Masonry
 - b. Interior wallboard
 - c. Interior plaster
 - 2. Vapor Retarders: Use, type and location of vapor retarders within a wall assembly is the responsibility of the project designer and shall be noted on the project drawings and specifications.
- C. Performance Requirements: As a minimum the Triarch materials shall be tested in the following areas:

PRIZMS™			
Test	Test Method	Criteria	Results
Surface Burning Characteristics	ASTM E 84	Flame Spread <25 Smoke Developed <450	Passed
Washability <ul style="list-style-type: none"> • Ketchup • Mustard • Coffee • Tea • Blueberries • Red Wine • Rust 	ASTM D 4828	Gloss Change, Color Change, Erosion	No Change No Change Slight Color Change Slight Color Change No Change Slight Color Change Slight Color Change
Taber Abrasion Resistance	ASTM D 4060	No Criteria	1000 cycles: .5097 gm mass loss
Water Vapor Transmission	ASTM E 96	No Criteria	5 perms
Mildew Resistance	ASTM D 5590	No growth after 28 days	Passed

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 this project.
- B. Samples – The contractor shall submit to the owner/architect two samples of each 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 to be utilized on the project.

1.06 QUALITY ASSURANCE

- A. Qualifications
 - 1. Manufacturer: Shall be Triarch. All materials shall be manufactured or sold by Triarch and shall be purchased from Triarch or its authorized distributor.
 - a. Materials shall be manufactured at a facility covered by a current ISO 9001:2000 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 proper installation of the Triarch materials and shall be experienced and competent in the installation of PRIZMS for interiors. Additionally the contractor shall possess a current trained contractor certificate from Triarch.

1.07 DELIVERY AND STORAGE:

- A. All Triarch 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.
- C. Materials shall be stored at the job site in a cool, dry location, out of direct sunlight, protected from weather and other damage. Minimum storage temperature shall be 7 °C (45 °F).

1.08 PROJECT CONDITIONS

- A. Environmental Requirements
 - 1. At the time of application, the air and wall surface temperatures shall be minimum 7 °C (45 °F). The temperature shall be maintained, with adequate air circulation, for a minimum of 24 hours thereafter, or until the products are dry.
- B. Existing Conditions – The contractor shall have access to electric power, clean water, and a clean work area at the location where the Triarch materials are to be applied.

1.09 SEQUENCING AND SCHEDULING

- A. Installation of PRIZMS 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. Triarch shall provide a written, Limited Materials Warranty, upon receipt of a properly executed warranty request and completed project form. Contact Triarch for full details. Triarch shall have no liability for the application of the materials. Triarch shall make no other warranties, expressed or implied. Triarch is not liable for incidental or consequential damages.

1.11 DESIGN RESPONSIBILITY

- A. It is the responsibility of both the specifier and the purchaser to determine, if a product is suitable for their 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. Triarch has prepared guidelines in the form of specifications and product sheets to facilitate the design process only. Triarch 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 Triarch or otherwise, or for any changes which purchasers, specifiers, designers, or their appointed representatives may make to Triarch's published comments.

1.12 MAINTENANCE

- A. Maintenance and repair shall follow the procedures provided by Triarch.

- B. All Triarch products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required.

PART II – PRODUCT

2.01 MANUFACTURER

- A. All components of PRIZMS shall be obtained from Triarch or its authorized distributors.

2.02 MATERIALS

- A. Water: Shall be clean and free of foreign matter.

2.03 COMPONENTS

- A. PRIZMS 1st STEP:
 - 1. PRIZMS 1st STEP: A color coordinated primer which provides uniform color and texture to the surface.
- B. Color coat:
 - 1. Shall be Metaltex: A smooth metallic paint coat with integral color.
- C. Finish
 - 1. Shall be G-Coat: A coat of clear glass beads suspended in an acrylic binder

PART III - EXECUTION

3.01 EXAMINATION

- A. Prior to installation of the Triarch PRIZMS, the contractor shall ensure that the substrate is of a type listed in section 1.04.B.1.
- B. 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 substrate shall be prepared so as to be free of foreign materials such as oil, dust, dirt, form-release agents, efflorescence, loose paint, wax, water repellents, moisture, frost and any other materials that inhibit adhesion.
- B. Interior Wallboard
 - 1. Surface finish of the gypsum board shall be Level 4.
- C. Concrete and Masonry
 - 1. Shall be dry and cured a minimum of 28 days.
 - 2. All rough surfaces and joints shall be filled with SKIMM™ masonry filling compound to provide a smooth, flat and level base.
- D. Interior Plaster
 - 1. Plaster shall be finished smooth and allowed to cure a minimum of 28 days prior to application of PRIZMS
 - 2. Surface shall be cleaned to remove all dust, dirt, or other contaminants that may impair the adhesion of a surface coating.

3.03 INSTALLATION

A. Mixing

Just prior to application, mix each product for 1 minute to ensure uniformity using a Windlock B-M1 mixing paddle driven by a high-torque 12 mm (1/2 in) variable speed drill, at maximum 400-500 RPM, just enough to maintain a vortex. **DO NOT OVERMIX.**

B. Application

- 1. PRIZMS 1st STEP
 - a. Prime area using corresponding color of PRIZMS 1st STEP. Use a quality short nap 9.5 mm (3/8") roller. Make sure Prizms 1st STEP coat is even and smooth. Allow to dry 2 to 4 hours.
 - b. Overlaps are acceptable as long as they are not raised. If raised edges are present take fine sand paper (320 grit) and smooth edges before applying Metaltex.

2. Metaltex
 - a. Apply the first coat of Metaltex using a quality short nap 9.5 mm (3/8") roller. Metaltex must be applied in a smooth and level coat achieved by applying Metaltex as you would any other paint. However, after applying a section that is approximately 4 to 5 roller widths wide roll out the section in one direction by placing the roller at the top of the painted section and in one smooth motion rolling to the bottom. Remove roller from the wall and start again at the top and repeat the motion. **DO NOT RE-DIP THE ROLLER FOR THIS PROCESS**
 - b. Apply the second coat of Metaltex using a quality short nap 9.5 mm (3/8") roller. Metaltex must be applied in a smooth and level coat as described in B. 2. a. above for the first coat application.
 - c. To achieve the best possible appearance of the PRIZMS finish the final look of the Metaltex should be smooth, level, and uniform.
3. G-Coat
 - a. Apply the G-Coat using a hawk & trowel. Trowel down until a single bead layer that is smooth and level with no excess grouping of beads is achieved. Only apply a 1.2 m (4 ft) by 2.4 m (8 ft) section completing the application process before beginning another section.
 - b. Using the Wel-Cote Supertex roller with little pressure roll in one direction with a smooth and continuous motion. Place roller at top of section, roll to bottom, remove roller from wall and start at the top again.
 - c. **WAIT 10 MINUTES BEFORE FLOATING.** Float over the area using almost no pressure on the float (only the weight of the trowel). The goal is to remove any raised beads from the rolling process.
 - d. Product will have a milky appearance until it is completely dry (overnight).

3.04 FIELD QUALITY CONTROL

- A. The contractor shall be responsible for the proper application of the Triarch materials.

- B. Triarch assumes no responsibility for on-site inspections or application of its products.

3.05 CLEANING

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

3.06 PROTECTION

- A. Triarch coatings and the project shall be protected from damage and exposure to dust and other contaminants until dry.

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Information contained in these application instructions conforms to standard detail and product recommendations for the installation of PRIZMS as of the date of publication of this document and is presented in good faith. Triarch 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 Triarch.

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