



# Elastocolor<sup>®</sup> Paint

**Water-Based, 100%-Acrylic,  
High-Quality Coating**

*Excellent color retention and hiding power*

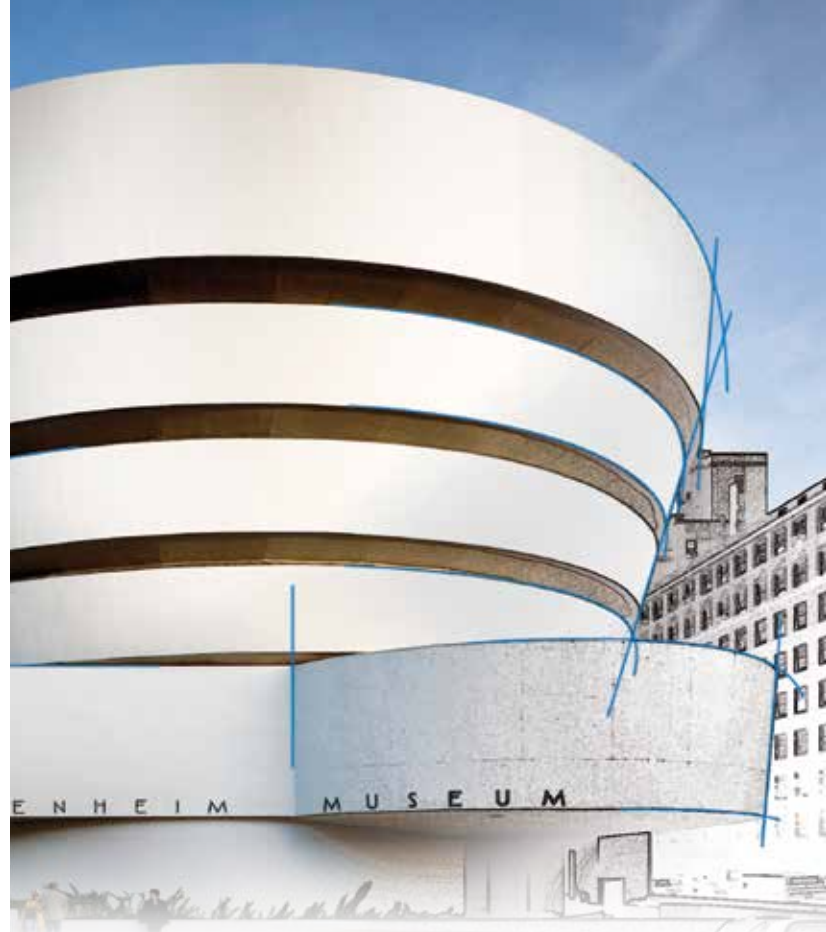
*Resists wind-driven rain and UV light*

## DESCRIPTION

*Elastocolor Paint* is a high-quality, water-based, 100%-acrylic coating that forms a protective film for use on above-grade, exterior/interior concrete, masonry, stucco, fiber-reinforced polymer (FRP) composites and EIFS systems. *Elastocolor Paint* is available in a wide range of standard colors and in an unlimited number of custom colors to increase its design versatility.

## FEATURES AND BENEFITS

- Bright white coating with high hiding power
- Effective carbon dioxide diffusion and chloride barrier to protect reinforcing steel from corrosion
- Excellent adhesion to all approved substrates to bond for long-term durability
- Excellent color retention and resistance to UV light
- Resists wind-driven rain and helps to prevent water penetration into substrates
- VOC-compliant
- Water-vapor permeable
- Algae-resistant
- BioBlock<sup>®</sup> technology for mold and mildew resistance
- Freeze/thaw-stable and suitable for cold climates
- Can be applied by roller, brush or sprayer



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## INDUSTRY STANDARDS AND APPROVALS

LEED v4 Points Contribution LEED Points

Health Product Declaration (HPD)\* .....Up to 2 points

*\* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.*

## WHERE TO USE

- Concrete, brick, masonry, mortar, FRP composites and EIFS systems
- Above-grade exterior and interior walls on buildings
- For protecting and enhancing the aesthetic appearance of building structures
- For protecting and enhancing the aesthetic appearance of interior walls
- Over new and existing coatings

## LIMITATIONS

- Do not apply *Elastocolor Paint* when ambient or substrate temperatures are below 40°F (4°C) or expected to fall below 40°F (4°C) within 24 hours, or when these temperatures are higher than 95°F (35°C).
- Do not apply *Elastocolor Paint* if the relative humidity is higher than 90%.
- Do not apply *Elastocolor Paint* on horizontal traffic-bearing surfaces.
- Do not apply *Elastocolor Paint* during inclement weather or when rain is expected within 24 hours following application.
- Do not use *Elastocolor Paint* where hydrostatic pressure from the underside of the substrate may be present.
- Do not apply *Elastocolor Paint* over static or moving cracks.
- Protect *Elastocolor Paint* from freezing and discard it if it freezes.
- Do not use *Elastocolor Paint* in total immersion or when subject to migrating moisture or rising dampness.
- Substrates must be dry before application of *Elastocolor Paint*. Allow substrates sufficient time to dry after rain; at least 24 hours of drying time is recommended.

Consult MAPEI's Technical Services Department for installation recommendations regarding any substrates and conditions not listed.

## SUITABLE SUBSTRATES

- Clean, sound, stable, frost-free and fully cured concrete, masonry, stucco and FRP composite substrates, as well as brick-mortar and EIFS systems

## SURFACE PREPARATION

- Substrates should be clean and free of dirt, residue, oils, grease, curing compounds, laitance and any

contaminant that may interfere with the adhesion of *Elastocolor Paint*.

- Use proper surface-preparation methods to achieve a texture of medium 100-grit sandpaper, or an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #1 to #3.
- Chemical removal may be required on some stains and contaminants. Be sure to neutralize these removal compounds and rinse the treated surface thoroughly with clean water.
- Before application of *Elastocolor Paint*, repair holes, spalls and damaged concrete with appropriate MAPEI concrete repair products. Remove any protruding concrete areas and smooth out any irregularities. Detail cracks with the appropriate surface fillers.
- Apply *Elastocolor Primer WB* as required (for example, on new or porous substrates and in hot, windy conditions).

## MIXING

Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for details.

- Appropriately mix *Elastocolor Paint* to ensure color uniformity and minimize air entrapment.
- *Elastocolor Paint* is ready to use. No dilution is required.

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation. Contact MAPEI's Technical Services Department for more detailed recommendations.

1. Air, material and substrate temperatures during application must be between 40°F and 95°F (4°C and 35°C).
2. Apply *Elastocolor Paint* by brush, roller or sprayer onto a dried coat of *Elastocolor Primer WB* (if a primer is required). Otherwise, apply *Elastocolor Paint* directly to the substrate.
3. Apply to achieve a wet film thickness (WFT) of 8 to 15 mils (per coat).
4. Ensure that application is always worked to a natural break and that a wet edge is maintained throughout the application.
- 5a. Brush application: Apply with this method only in small areas.
- 5b. Roller application: Use a 3/4" to 1-1/4" (19-mm to 3,2-cm) nap roller cover depending on surface texture and desired film build. Maintain a uniform WFT during application, finishing the coated area by lightly rolling the surface in one direction. Always work to a natural break and maintain a wet edge.
- 5c. Spray application: *Elastocolor Paint* can be applied by airless spray using a 0.0019 to 0.0021 tip. Spray-apply it using a cross-hatch technique to the desired WFT. Back-rolling with a 3/4" to 1-1/4" (19-mm to 3,2-cm)

## Product Performance Properties

Laboratory Tests	Results
Appearance – ASTM D523	Flat < 5 @ 60
Density	11.2 lbs. per U.S. gal. (1,34 g per cm <sup>3</sup> )
Solids, by weight	60%
Solids, by volume	46%
Carbon dioxide diffusion – EN 1062-6, Method A CO <sub>2</sub> resistance coefficient R (equivalent air layer thickness) Sc (equivalent concrete thickness)	1,033,025 576 ft. (176 m) 17.3" (44 cm)
Water-vapor permeance – ASTM D1653	12.2 perms
Weathering – ASTM D6695 (Xenon Arc: 10,000 hours)	Passed
Salt spray (fog) resistance – ASTM B117	Passed
Resistance to wind-driven rain – ASTM D6904	Passed (0.17 lb. [77 g] of weight gain)
Abrasion resistance – ASTM D968 (at 3,000 L)	Passed
Fungal resistance – ASTM D3273	No growth
Elongation (at break) at 73°F (23°C) and 50% relative humidity – ASTM D638	580%
Tensile strength – ASTM D638	150 psi (1,03 MPa)
Mandrel bend test – ASTM D522	Passed (no cracking)

## Shelf Life and Product Characteristics

Shelf life	2 years in original, unopened container in a dry, covered location at 73°F (23°C) and 50% relative humidity
Consistency	Thick liquid
Color	3 bases (pastel, medium and transparent) and 25 standard colors available – or a broad range of colors using the ColorMap™ automatic coloring system
VOCs (Rule #1113 of California's SCAQMD)	≤ 50 g per L for white and colors tinted with low/zero-VOC colorant

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

## Application Properties

Drying time at 73°F (23°C) and 50% relative humidity	
Dry to the touch	2 to 4 hours
Before recoating or applying topcoat	12 to 24 hours
Until full cure	7 days

## CSI Division Classifications

Painting and Coatings	09 90 00
Concrete and Masonry Coatings	09 97 23

## Packaging

Size (plastic bucket with tint included)
Pastel base, 5 U.S. gals. (18,9 L)
Medium base, 5 U.S. gals. (18,9 L)
Transparent base, 5 U.S. gals. (18,9 L)

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## Approximate Coverage\*

Thickness (wet film and dry film)	Coverage
8 mils WFT or 4 mils dry film thickness (DFT)	200 sq. ft. per U.S. gal. (4,9 m <sup>2</sup> per L)
12 mils WFT or 5 mils DFT	140 sq. ft. per U.S. gal. (3,43 m <sup>2</sup> per L)
15 mils WFT or 7 mils DFT	110 sq. ft. per U.S. gal. (2,69 m <sup>2</sup> per L)

\* Coverage varies depending on the surface porosity and texture of the surface as well as on job requirements.

nap roller cover is recommended as necessary to ensure uniform coverage and texture.

## CLEANUP

- Clean tools and equipment immediately after use with water. Dried material may require mechanical means for removal.

Refer to the SDS for specific data related to health and safety as well as product handling.

### LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

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### Services in Mexico

0-1-800-MX-MAPEI (0-1-800-696-2734)

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For the most current BEST-BACKED™ product data and warranty information, visit [www.mapei.com](http://www.mapei.com).

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