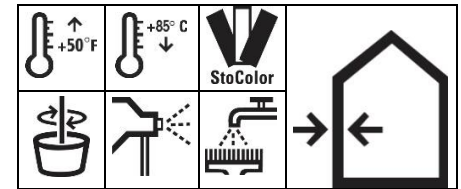


PRODUCT BULLETIN

StoColor® Metallic Base

Product Number: 81723



PRODUCT DESCRIPTION

StoColor® Metallic Base is an acrylic-based coating used as a color undercoat beneath StoColor® Metallic Top Coat in StoTherm® ci and StoVentec™ Render wall systems, and on interior drywall surfaces.

FEATURES	BENEFITS
Acrylic Based	Excellent adhesion; weather-resistant; promotes color stability
Vapor Permeable	Allows substrate to breathe naturally
Easily Sprayable	Increases job-site productivity
Cleans up with Water	Tools can be reused; no hazardous solvents needed; environmentally friendly
Low VOC	Safe for workers and the environment

COVERAGE

720-940 ft² (65-90 m²) per pail per coat. Heavy textures decrease coverage.

Coverage will vary depending on substrate condition and texture, application technique, waste factor, final film thickness, and other variables that may exist. Always install a test area or mock-up under conditions of use to verify number of coats required of base and topcoat to achieved desired look, and coverage for each product.

Packaging: 5 gallon pail (19L)

Color: 15 Standard Primer Colors (refer to 81695 StoColor Metallic Top Coat Product Bulletin for Base/Top Coat combinations)

Shelf Life: 18 months, if properly stored and sealed.

Storage: Store in a dry area, between 50 and 85°F (10 and 29°C) in original unopened container. Protect from direct sunlight, extreme heat [90°F (32°C)] and freezing.

SURFACE PREPARATION

All surfaces must be structurally sound, clean, dry, and free of frost and surface contamination such as dust, dirt, salts, grease, oils, efflorescence, mold, algae, mildew, or any other condition that may affect adhesion. Use appropriate repair methods for the substrate to repair pitting, spalls, cracks, peeling, blistering, delamination, weak surface conditions such as laitance, water damage, or other defects that may exist. If pressure washing, follow necessary safety precautions and adjust pressure to avoid damage to the underlying substrate. For mold, algae, and mildew removal, treat surfaces with a compatible commercial mildew removal and/or wash product, carefully following manufacturer's application and safety directions for use and handling, including any special requirements when used in preparation for application of paints and coatings.

MIXING

Use at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). Mix undiluted product for 3 minutes using a slow-speed drill and a mixing paddle. Mix thoroughly to a uniform consistency. **DO NOT THIN OR DILUTE.**

APPLICATION

Apply only to properly prepared, frost-free surfaces. Do not apply over damp surfaces or during rain, hail, or snow events or if rain, hail, or snow is imminent. Apply with a 3/8-inch nap roller, or proper spray equipment to the prepared substrate at 6-8 WFT to achieve 2.5-3.3 DFT per coat. Back roll spray applications. Apply coating in a continuous application, always working from a wet edge or architectural break to eliminate cold joints. Allow sufficient time for drying between coats. The application technique affects final appearance. Always install a test area or mock-up under conditions of use to the approved substrate, and of sufficient size, to verify final appearance and number of coats of Base (typically 1 or 2 coats, but may require additional coats, depending on substrate, to achieve hide and uniform color) and top coat (typically 1 or 2 coats, but may require additional coats) to achieve the desired appearance for approval by owner, architect, or owner's representative. **IMPORTANT: IF THE BASE DOES NOT HIDE OR IS NOT UNIFORM IN COLOR THE TOP COAT WILL NOT CORRECT THESE VARIATIONS. REFER TO STOCOLOR METALLIC TOP COAT PRODUCT BULLETIN GENERAL RULES AND APPLICATION INSTRUCTIONS TO ACHIEVE A METALLIC LOOK OVER STOTHERM CI, STOVENTEC RENDER, AND INTERIOR DRYWALL SURFACES. USE A NIOSH APPROVED RESPIRATOR WHEN SPRAYING.**

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PROVIDE ADEQUATE VENTILATION. ALWAYS CHECK COLOR FOR PROPER MATCH. IF COLOR DOES NOT MATCH, STOP-CALL YOUR STO REPRESENTATIVE. MINOR SHADE VARIATIONS MAY OCCUR FROM BATCH-TO-BATCH (REFER TO BATCH NUMBER ON PAIL). AVOID INSTALLING SEPARATE BATCHES SIDE-BY-SIDE AND AVOID APPLICATION IN DIRECT SUNLIGHT. REFER TO STOCOLOR METALLIC PRODUCT BULLETIN FOR SPECIAL USE AND HANDLING INSTRUCTIONS FOR DIFFERENT METALLIC LOOKS.

Drying

Product dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Drying time varies with temperature/humidity and surface conditions. Protect installed product from rain, freezing, and continuous high humidity until completely dry. Refer to StoColor Metallic Top Coat product bulletin, as some applications require extended drying time of StoColor Metallic Base.

Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Maintenance

Repair cracks or other damage to the façade and recoat with Sto Clear Coat Sealer or topcoat as needed to maintain fresh appearance or to restore the metallic look. Repair balconies, scuppers, flashing and similar water shedding elements that lack drip edges or that fail to shed water from the façade surface. Prevent or repair leaks from roofs, parapets, windows, sealants, or other components of construction, and prevent accumulation of water inside the wall assembly during and after construction. Water accumulation behind the coating can cause damage to the coating and/or underlying construction.

LIMITATIONS

- Apply when ambient and surface temperatures are 50°F (10°C) and rising, and below 85°F (29°C).
- Do not apply during damp, high humidity, or wet weather conditions
- Do not apply if the surface temperature is less than 5°F (2.8°C) above the ambient dew point temperature.
- Do not use below grade or in areas subjected to hydrostatic pressure, water immersion, ponding, or puddling.
- Do not overcoat with solvent-based materials.
- Color is limited to standard palette of 15 colors

LIMITATIONS (continued)

- Base and Top Coat must be factory tinted.
- Efflorescence of portland cement-based substrates such as EIFS base coats causes staining or discoloration on the surface of applied coatings. Efflorescence is neither caused nor prevented by the Sto coating.
- Not for use on wood, metal, portland cement plaster/stucco, concrete, concrete masonry, brick, or StoTherm ci Mineral surfaces.
- Not recommended over colored aggregate finishes such as Sto Decocoat, Sto Granitex, and Sto Creative Granite.
- Panel size for smooth look metallic is limited to 25ft² (2.3m²) maximum and requires unobstructed installation.
- Exact color uniformity should not be expected. Shifts in color appearance should be anticipated when viewing from varying angles, distances, and lighting conditions.
- Slight variations in installation and/or surface imperfections or surface planarity will create some variance in appearance of the finished wall surface.

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

HEALTH & SAFETY

WARNING: Causes eye and skin irritation.

Precautionary Statement: Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

FIRST AID MEASURES: Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Store locked up.

Spills: Collect with suitable absorbent material such as cotton rags.

Disposal: Dispose of in accordance with local, state or federal regulations.

Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) on www.stocorp.com for further health and safety information.

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TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULT*
Alkali Resistance	ASTM D1308	4 hours exposure	No lifting, wrinkling, disintegration, or color change
Efflorescence Blocking	ASTM D7072	48 hours in humidity cabinet at 100°F (39°C)	No efflorescence observed
Adhesion to Concrete lb/in ² (MPa)	ASTM D7234	> 50 (0.344)	296 (2.04)
Surface Burning	ASTM E84	Flame Spread: ≤ 25 Smoke Develop: ≤ 450	FS: 0 SD: 0
Water Vapor Permeability Perms (ng/Pa·s·m ²)	ASTM D1653** Wet-cup method	1 coat at ~ 3.8 DFT 2 coats at ~ 6.0 DFT	27.5 (1570) 20.6 (1178)
% Solids by Volume	ASTM D2697	N/A	41%
VOC (g/L)	This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for Primers, Sealers, and Undercoaters. VOC less than 100 g/L.		
* Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.			
**D1653 results are estimates based on E96 wet cup method			

Sto Corp.

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ATTENTION

This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com