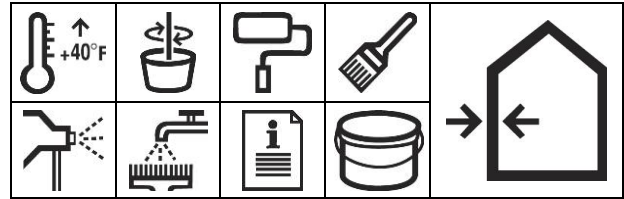


StoPrime[®] Block Surfacers HP

81520 StoPrime Block Surfacers HP



Technical Data			
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Adhesion to Substrates	ASTM D4541	> 50 psi (344 kPa)	Concrete and CMU: > 200 psi (1378 kPa) Stucco: > 100 psi (689 kPa)
Coating System Adhesion to Concrete	ASTM D4541	> 50 psi (344 kPa)	Primer + StoColor Acryl Plus > 200 psi (1378 kPa) Primer + StoColor Lotusan > 190 psi (1310 kPa)
Coating System Wind Drive Rain Resistance	ASTM D6904	No water penetration after 24 hours w water spray and pressure equal to 98 mph (158 km/h) wind speed	Primer + StoColor Acryl Plus No visible water leaks Primer + StoColor Lotusan No visible water leaks
Water Vapor Permeability	ASTM E96 Method B	Measure	28 perms (1602 ng/s·m ² ·Pa)
Coating System Water Vapor Permeability	ASTM E96 Method B	Measure	Primer + StoColor Acryl Plus 22 perms (1258ng/s·m ² ·Pa) Primer + StoColor Lotusan 19 perms (1087ng/s·m ² ·Pa)
% Solids (weight)	Calculation	N/A	62
% Solids (volume)	Calculation		52
Application Thickness			14-16 WFT (7.3-8.3 DFT)
VOC (g/L)	This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings. VOC less than 100 g/L.		

Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.

Features	Benefits
1 Alkali resistant to pH 13.0	Can be applied on cementitious substrates before finish coating to resist blistering, fading.
2 Acrylic-based	Excellent adhesion; weather resistant
3 Vapor Permeable	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
4 Water Based	Cleans up with water
5 Low VOC	Safe for workers and the environment

StoPrime Block Surfacers HP is a high build alkali resistant primer for use on vertical above grade walls over concrete, concrete masonry and stucco. Its primary purpose is to fill concrete block surfaces prior to the application of Sto top coats.

Coverage

440 - 470 ft² (40.8 – 43.6 m²) per pail.

Coverage varies depending on ambient and substrate conditions, application technique, waste, and final film thickness

Packaging

5 gallon (19 L) pail.

Shelf Life

18 months, if properly stored and sealed.

Storage

Protect from extreme heat [90°F (32°C)], freezing, and direct sunlight.



StoPrime Block Surfacer HP

Surface Preparation

Concrete, stucco and masonry surfaces: Surfaces must be properly cured, structurally sound, clean, dry and free of frost, damage, and all bond-inhibiting materials, including dirt, dust, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by pressure washing or mechanical wire brushing

to produce a clean, sound substrate. Where a smooth finish is required, resurface, patch or level surfaces to required tolerance and smoothness with appropriate Sto leveling materials. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

Mixing

Mix with a clean, rust-free electric drill and paddle.

StoPrime Block Surfacer HP is applied full strength (NO DILUTION!).

Application

Provide adequate ventilation during application and drying period.

Concrete, stucco, and masonry surfaces must be properly cured and at least 7 days old. Stucco surfaces must be moist cured at least 48 hours in accordance with ASTM C-926 and allowed to dry before applying primer.

Surface and ambient temperature must be between 40° F (4° C) and 100°F (38° C) during application and drying period. Apply only to fully cured, sound and clean, dry, properly prepared, frost-free surfaces.

Spray Application

Apply to the prepared substrate using airless spray equipment that pumps a minimum 1 gallon per minute (GPM). Suggested tip size is minimum .025. Pressure and tip size may vary depending on equipment used and technique. Spray uniformly at a thickness of 14-16 wet mils to achieve 7.3-8.3 DFT. Use overlapping horizontal sweeping motions for continuous coverage. For best results back roll porous surfaces with 1 to 1-1/2 inch (25-38 mm) synthetic nap roller to fill voids and eliminate pinholes. Use thick nap roller for rough surfaces such as split face CMU.

Roller Application

Apply minimum two uniform coats with a 1 to 1-1/2 inch (25-38 mm) synthetic nap roller to achieve total 7.7-8.8 DFT.

IMPORTANT:

Construct a mock-up with primer and top coat under actual conditions of use to verify proper surface preparation, number of coats required, method of application, and aesthetics for approval by the appropriate authority.

Drying

Dries to the touch within 1 hour and can be top coated within 8 hours under normal [70°F (21°C), 50% RH] drying conditions.

Drying time and top coat time increase with low temperature, high humidity, thick application, and low absorption surfaces. Always allow sufficient time to thoroughly dry before applying top coat. Protect from rain and freezing until completely dry. Apply top coat to clean, dry surface within 60 days.

Clean Up

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

Limitations

- Use only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period, and at least 5 °F (2.8 °C) above the ambient dew point.

- Not recommended over wood or metal surfaces
- Not recommended as a finish coat.

Health And 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 for further health and safety information.

Safety Data Sheet (SDS) is available at www.stocorp.com

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

Refer to Sto Specifications for more complete information on proper use and handling of this product.

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Attention

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