

Modac® Modur™ Smooth Coating

MB0190155


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

Modac® Modur™ Smooth Coating offers outstanding chemical, as well as mechanical adhesion – even on previously painted surfaces. It provides color and give excellent protection to block, masonry and metal surfaces. Modur Smooth Coating has excellent hiding with good weatherability at normal ranges. It can be used as a color coat on concrete block when a competitive coating system is required.

Advantages

- Apply directly to fresh concrete less than 28 days and high pH (up to 13)
- Covers many surface defects
- Provides uniform color and texture
- One-coat, ready-mixed application
- No primer required
- May be applied down to 20°F

Finish: Flat

Color: Many Colors

Coverage: 50-160 sq. ft. per gallon per coat
10-16 mils wet per coat
5-7 mils dry per coat

Theoretical Coverage:

816 (sq. ft. per gallon per dry mil)
Coverage will vary with the substrate and the texture.

Drying Schedule @ 50% RH:

	@ 20°F	@ 77°F
To touch	4-6 hours	1-2 hours
To recoat	24-48 hours	16 hours

Do not apply at air or surface temperatures below 20°F. At 20°F, wait a minimum of 24 hours and check to be sure the surface is tack free. If tack free, apply the second coat. If the film is still soft or if there is still an odor of mineral spirits, wait another 24 hours for the remainder of solvent to evaporate.

Drying time is temperature, humidity, and film thickness dependent. The amount of wind and precipitation will also affect the dry and recoat times of the film, so checking for hardness is mandatory.

Tinting with Blend-A-Color:

Base	oz. per gallon	Strength
White	0-5	SherColor

White MB0190155

(may vary color)

V.O.C. (less exempt solvents):

396 grams per litre; 3.30 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 50 ±2%

Weight Solids: 74 ±2%

Weight per Gallon: 12.84 lbs

Flash Point: 107°F PMCC

Vehicle Type: Styrenated Acrylic

Shelf Life: 36 months, unopened

COMPLIANCE

As of 06/10/2024, Complies with:

OTC	Yes
OTC Phase II	No
S.C.A.Q.M.D.	No
CARB	No
CARB SCM 2007	No
CARB SCM 2020	No
Canada	Yes
LEED® v4 & v4.1 Emissions	N.A.
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	No

APPLICATION

Temperature:
Minimum 20°F

Do not apply at air or surface temperatures below 20°F or if condensation is present. Do not apply if rain or dew is expected within 12 hours.

No reduction necessary at temperatures above 50°F.

At temperatures between 20° and 50°F, 5% to 10% reduction with 100 Flash Aromatic Naptha **ONLY**. Reduction may raise VOC and may not be available in some areas. **Do not exceed 10%**

Brush: Use a natural bristle brush
Roller: Use a ½-1-1/2 inch nap synthetic cover

Airless Spray

Unit: Graco TexSpray 5900HD
Pressure: 3000 p.s.i.
Tip: .021" - .031" RAC X
Hose: maximum length 100 feet

APPLICATION TIPS

Power mix material for 2 – 3 minutes to a uniform consistency prior to application.

To obtain proper coverage as well as lap-free surface, flow material on the wall. Do not roll out as paint. This will cause lap marks, brush marks, and too thin a film build. Proper laying off all work in one direction is most important for a satisfactory finish. Be sure tool is wet when laying off. Lay off lightly so as not to remove or spread-out coating film. Usually, work is laid off with a brush horizontally, i.e., left to right. Normally work is laid off with a roller vertically, i.e., up, and down. It is important for the applicator to come off the wall after each downward stroke of the roller. This precaution will help avoid lap marks and "W's" after the coating is dry.

When spraying raw block, the coating must be back rolled or brushed to achieve a pinhole free surface. Scored, raked, or fluted joints must be thoroughly sealed to avoid moisture penetration. Modac Modur is self-priming on properly prepared non-ferrous surfaces.

RECOMMENDED SYSTEMS

Concrete, CMU, Stucco, Split-face Block:

- 1 coat Loxon Concrete & Masonry Primer*
- Or
- 1 coat Loxon Conditioner*
- 1 coat of Modac Modur Smooth Coating
- Or
- 1 coat of Modac Modur Smooth Coating
- Or
- 2 coats of Modac Modur Smooth Coating

Previously Coated:

- 1 coat of Modac Modur Smooth Coating

*Other primers may be appropriate. Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

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SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Concrete, Stucco: If needed, pressure clean with a minimum of 2100 psi to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalk, form release agents, moisture curing membranes, etc. Remove all mildew. Allow the surface to dry thoroughly. Scrape and sand existing peeled or checked paint to a sound surface. Sand glossy surfaces dull. Concrete and mortar must be cured at least 7 days at 75°F. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets, cracks, and other voids with Concrete & Masonry Sealant or Patch.

Expansion Joints: The sealants used in expansion joints must be cured according to the manufacturer's recommendations before painting.

Consult the manufacturer for specific surface preparation and coating recommendations.

Depending on the size of the expansion joint, with normal movement, some cracking of the **Modur Smooth Coating** may occur.

Caulking Compounds: Must be primed with a high-quality rust inhibitive metal primer. Seal with appropriate primer for tar based, creosote or other bleeding stains before finishing.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PHYSICAL PROPERTIES

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Modac® Modur™ Smooth Coating

Wind Driven Rain:

Method: ASTM D6904-03 E514
Result: Pass

WVP (US):

Method: ASTM D1653
Result: 11.5 grains (hr ft² in Hg)

Efflorescence Resistance

Method: ASTM D7072-04
Result: 8

Flexibility (20 mils P234)

Method: ASTM D522-93A
Result: Passes 1/4" Mandrel

Low Temperature Flexibility (20 mils P234)

Method: ASTM D522-93A
Result: Passes 1/2" Mandrel

Salt Spray Resistance

Method: ASTM D714, D610, D117, D4585
Result: Blisters (2-8 smallest): 4 Medium
Area (1= 50%: 9=0.03%): 5 (3%)
Scribe (1-10 best): 10

Fungal/Algae Growth

Method: ASTM D3274-95
Result: 0

Freeze-Thaw Resistance

Method: ASTM D714-02el., D661-93, D660-93, D2243-90
Result: Pass

Abrasion Resistance

Result: (1-5 Low Resistance): 3

Fixed Alignment Adhesion P540

Method: ASTM D4541-02
Result: 233 p.s.i.

CAUTIONS

For exterior use only

Not for use on horizontal surfaces (floors, roofs, decks, etc.) where water will collect.

Not for use on overhead horizontal surfaces (under sides of balconies, soffits, etc.)

Not for use below grade. Will not withstand hydrostatic pressure.

Not for use on exterior insulation finish systems (EFIS) surfaces.

Sealants should not be applied over this coating.

Before using, carefully read **CAUTIONS** on label.

DANGER! HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT.

ALIPHATIC HYDROCARBONS, CRYSTALLINE SILICA Contents are **COMBUSTIBLE**. Keep away from heat and open flame. **VAPOR HARMFUL**. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. NOT FOR RESIDENTIAL USE.**

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CLEANUP INFORMATION

Clean spills, spatters, and tools immediately after use with compliant solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.