



## ULTRA EXTERIOR FLAT PAINT NO. 4850 ULTRA PURE WHITE®



### PRODUCT INFORMATION

BEHR PREMIUM PLUS ULTRA™ is a 100% acrylic latex paint and primer in one. With advanced NANO GUARD® technology, this product creates a STAYS LOOKING NEW LONGER™ matte finish. This extra-protective shell shields against damage from sunlight, moisture, stains and dirt. It's the perfect choice for all weather climates, even for application at 35°F (2°C).

### RECOMMENDED USES:

Ideal for use on properly prepared, coated or uncoated, exterior surfaces such as wood, vinyl, aluminum, fiber cement siding, brick, masonry, stucco, doors, windows, trim, shutters, fences, garage doors, outdoor furniture, railing and wrought iron. It is also perfect for painting properly prepared metals, galvanized metals, aluminum and tannic woods.

### PRODUCT SPECIFICATIONS:

#### Tint Bases/Max Tint Load:

- \*No. 4850 Ultra Pure White® Base 128 oz / 2 oz
- No. 4854 Medium Base 120 oz / 10 oz
- No. 4853 Deep Base 116 oz / 14 oz

**Sheen:** 0-6 @ 85°

**Vehicle Type:** 100% Acrylic Latex

**\*Weight Per Gallon:** 11.3 +/- 0.2 lbs. /gal

#### \*% Solids:

- By Volume: 34.0 +/- 2%
- By Weight: 51.2 +/- 2%

**VOC:** <50 (g/l)

**Flash Point:** Not Applicable

**Viscosity:** 100-110 KU

#### \*Recommended Film Thickness:

- Wet: 6.4 Dry: 2.2 mils @ 250 SFPG
- Wet: 4.0 Dry: 1.4 mils @ 400 SFPG

**Coverage:** 250-400 Square Feet Per Gallon, depending on application method and substrate porosity. Does not include the loss of material from spraying.

### APPLICATION:

**Brush:** Nylon/polyester

**Roller:** Use a 3/8" - 1/2" nap cover on smooth surfaces and 1/2" - 3/4" on rough, porous surfaces

**Airless Spray:** At packaged consistency

**Tip:** .015" - .021"

**Filter:** 60 mesh

**Thinning:** (If required) No more than 1/2 pint of water per gallon.

† **Dry Time:** @ 77° & 50% RH

- † To Touch: 1 hour
- † To Recoat: 2-4 hours
- † Full Cure: 2 weeks (UPW base); 4 weeks (Medium and Deep base)

### RECOMMENDED PRIMER / SYSTEMS:

#### PROPERLY PREPARED NEW SURFACES:

**Wood: Cedar, Redwood, Shakes & Shingles; For Severe Tannin Bleed/Stainblocking:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436
- BEHR PREMIUM PLUS® Interior/Exterior Oil-Based Primer & Sealer No. 434

**Masonry: Stucco, Cinder Block, Cut Masonry Unit's (CMUs), Split-Face Block**

- BEHR® Concrete & Masonry Protector & Waterproofer No. 980 (Do not use on smooth or nonporous concrete.)

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco**

- BEHR® Concrete & Masonry Protector & Waterproofer No. 980

**Masonry with pH Levels up to 13.0:**

- BEHR® Interior/Exterior Basement & Masonry Waterproofer No. 875 or BEHR® Interior/Exterior Concrete & Masonry Waterproofer No. 870
- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

**Galvanized Metal, Metal & Aluminum:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

#### PREVIOUSLY PAINTED SURFACES:

- Use a full coat or spot prime repaired or uncoated surfaces with such as woods with heavy tannins (Redwood and Cedar) with BEHR PREMIUM PLUS ULTRA™. Two coats may be required.

COMPLIES WITH THE BELOW AS OF 3/22/2011

OTC	YES	CARB	YES
SCAQMD	YES	MPI #	10

### CAUTIONS/LIMITATIONS:

- Protect from freezing.
- Do not use on floors.
- For best results, apply at temperatures between 35°F - 90°F. Temperatures above 90°F may affect the application such as drying to fast. Avoid painting in direct sun. NOTE: If the surface is hot to the touch it should be considered to hot to apply this coating. • Avoid heavy traffic for 24 hours.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

### CLEAN UP:

Clean all tools and equipment with clean water. For disposal of empty containers and unused product, contact your household refuse collection service.

† **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](http://www.epa.gov/lead). **WARNING!** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

\*This information is provided "as is" and no representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made with respect to this information or to any product referred to in this information.





## ULTRA EXTERIOR FLAT PAINT

NO. 4850 ULTRA PURE WHITE®

## SURFACE PREPARATION:

All surfaces must be clean, free of dust, chalk, oil, grease, wax, polish, mold and mildew stains, loose and peeling paint, rust and all other foreign substances.

**Mildew:** All surfaces must be clean of mold and mildew stains and dirt prior to coating. Remove mildew stains with BEHR® Premium Mold & Mildew Stain Remover No. 62 at full strength on exterior, mildew-stained surfaces of all types including: wood, concrete, masonry, stucco, stone, brick, vinyl and aluminum siding, composite, tile, plastic, fiberglass and metals. Apply using a pump sprayer, brush, mop or roller. Scrub the surface using a stiff bristle broom or scrub brush. One gallon of the product will treat 200-250 sq. ft. (19-23 m<sup>2</sup>). Allow the product to work for at least one minute to remove mildew stains. Do not allow the product to dry on the surface. Rinse the surface and surrounding area thoroughly with water from a garden hose using the nozzle at normal pressure, or use a pressure washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the wood. Prolonged exposure on painted surfaces may damage finish. Use the product at full strength. **New Wood:** Follow up mildew stain removal with BEHR® Premium 2-in-1 Wood Prep No. 63 after application to remove mill glaze to condition the wood surface prior to applying a stain or finish, and to neutralize and restore natural wood color. Follow all label instructions.

**Galvanized Metal, Metal & Aluminum:** The oil film on new galvanized metal must be removed before it is painted. Remove oil film with a detergent and water solution. For better paint adhesion, sand the surface with sandpaper, steel wool, or by using BEHR® Concrete & Masonry Cleaner & Etcher No. 991. Clean by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. **Metal:** Remove all rust and mill scale using sandpaper, steel wool, abrasive blasting, or other abrading methods to create a profile on the metal's surface. Clean the metal by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Bare metal must be coated the same day it is cleaned.

**Vinyl Siding, Architectural Plastics:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow drying. **CAUTION:** Vinyl siding is manufactured to withstand certain levels of heat intensity. Be sure when choosing a paint color, to select a color which is similar or lighter than the vinyl siding's original color. A darker color paint will absorb more heat, resulting in a warping of the siding.

**Wood: Shakes & Shingles, Composition Panels/Siding, Fiber Board:**

**New Wood:** Remove mill glaze with sandpaper or use BEHR® Premium 2-in-1 Wood Prep No. 63 to open the pores of the wood and follow all label instructions. For severe stains caused by mold, mildew, algae and fungus, apply BEHR® Premium Mold & Mildew Stain Remover No. 62 and follow all label instructions. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, silicized, paintable caulking and allow to dry completely. Patched and filled surfaces should be sanded smooth and dusted clean prior to coating. **Previously Painted Wood:** Remove all loose and peeling paint and all other foreign substances. Clean any dirt and grease by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely prior to coating. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, silicized, paintable caulking, and allow to completely dry prior to coating. **Glossy Surfaces:** For maximum adhesion, sand the surface thoroughly before coating. **Weathered Wood Surfaces:** †To remove loose wood fibers, latex, oil-based and 100% acrylic coatings on new or weathered wood decks, siding, fences, shakes and shingles, use BEHR® Premium Stain & Finish Stripper No. 64 and follow all label instructions. Use BEHR® Premium 2-in-1 Wood Prep No. 63 and follow all label instructions to clean and brighten the wood surface and to remove light to medium stains caused by mold, mildew, algae and fungus. Be sure to follow all label instructions.

**Wood:** WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

**Tannin Bleed & Stainblocking:**

After priming, test for stain bleed-through by applying the topcoat to a small section. If the stain bleeds through the topcoat, apply a second coat of primer and test again before top-coating the entire area. If bleeding continues, a longer dry time of the primer may be needed before top-coating or an additional coat of primer may be required to block the tannin bleed or stain.

**Masonry: Stucco, Concrete, Cut Masonry Unit's (CMUs), Split-Face Block:**

**New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. Smooth masonry may require an adequate profile for adhesion. For all other smooth concrete, create a profile using BEHR® Concrete & Masonry Cleaner & Etcher No. 991 or with mechanical means. Remove loose aggregate and debris using BEHR® Concrete & Masonry Degreaser & Cleaner No. 990. Scrub vigorously into the

surface with a plastic brush broom or power washer. Rinse thoroughly with water and allow to dry.

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco:**

**New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the substrate.

**Previously Painted Surfaces:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow to dry.

## GENERAL INFORMATION:

**WARNING!** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: ETHYLENE GLYCOL. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING IN VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION.** To avoid breathing vapors and spray mist, 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. If properly used, a respirator (NIOSH-approved for organic vapor with a P-Series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing; leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15-20 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. **CAUTION: KEEP OUT OF REACH OF CHILDREN – DO NOT TAKE INTERNALLY.**

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## ULTRA EXTERIOR SEMI-GLOSS ENAMEL NO. 5850 ULTRA PURE WHITE®



### PRODUCT INFORMATION

BEHR PREMIUM PLUS ULTRA™ with advanced NANO GUARD® technology adds an extra-protective shell to protect against damage from sunlight, moisture, stains and dirt. This 100% acrylic latex paint and primer in one creates a tough, STAYS LOOKING NEW LONGER™ radiant, sleek finish and is perfect for all weather climates.

### RECOMMENDED USES:

Ideal for use on properly prepared, coated or uncoated, exterior surfaces such as wood, vinyl, aluminum, fiber cement siding, brick, masonry, stucco, doors, windows, trim, shutters, fences, garage doors, outdoor furniture, railing and wrought iron. It is also perfect for painting properly prepared metals, galvanized metals, aluminum and tannic woods.

COMPLIES WITH THE BELOW AS OF 3/22/2011			
OTC	YES	CARB	YES
SCAQMD	YES	MPI #	11
		MPI X-Green	YES

### PRODUCT SPECIFICATIONS:

#### Tint Bases/Max Tint Load:

- \*No. 5850 Ultra Pure White® Base 128 oz / 2 oz
- No. 5854 Medium Base 120 oz / 10 oz
- No. 5853 Deep Base 116 oz / 14 oz

**Gloss:** 45-55 @ 60°

**Vehicle Type:** 100% Acrylic Latex

**\*Weight Per Gallon:** 10.6 +/- 0.2 lbs. /gal

#### \*% Solids:

- By Volume: 35.3 +/- 2%
- By Weight: 49.1 +/- 2%

**VOC:** <50 (g/l)

**Flash Point:** Not Applicable

**Viscosity:** 100-110 KU

#### \*Recommended Film Thickness:

- Wet: 6.4 Dry: 2.3 mils @ 250 SFPG
- Wet: 4.0 Dry: 1.4 mils @ 400 SFPG

**\*Coverage:** 250-400 Square Feet Per Gallon, depending on application method and substrate porosity. Does not include the loss of material from spraying.

### APPLICATION:

**Brush:** Nylon/polyester

**Roller:** Use a 3/8" - 1/2" nap cover on smooth surfaces and 1/2"-3/4" on rough, porous surfaces.

**Airless Spray:** At packaged consistency

**Tip:** .015" - .021"

**Filter:** 60 mesh

**Thinning:** (If required) No more than 1/2 pint of water per gallon.

† **Dry Time:** @ 77° & 50% RH

- † To Touch: 1 hour
- † To Recoat: 2-4 hours
- † Full Cure: 2 weeks (UPW base); 4 weeks (Medium and Deep base)

### RECOMMENDED PRIMER / SYSTEMS:

#### PROPERLY PREPARED NEW SURFACES:

**Wood: Cedar, Redwood, Shakes & Shingles;**

**For Severe Tannin Bleed/Stainblocking:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436
- BEHR PREMIUM PLUS® Interior/Exterior Oil-Based Primer & Sealer No. 434

**Masonry: Stucco, Cinder Block, Cut Masonry Unit's (CMUs), Split Face Block**

- BEHR® Concrete & Masonry Protector & Waterproofer No. 980 (Do not use on smooth or nonporous concrete.)

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco**

- BEHR® Concrete & Masonry Protector & Waterproofer No. 980

**Masonry with pH Levels up to 13.0:**

- BEHR® Interior/Exterior Basement & Masonry Waterproofer No. 875 or BEHR® Interior/Exterior Concrete & Masonry Waterproofer No. 870
- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

**Galvanized Metal, Metal & Aluminum:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

#### PREVIOUSLY PAINTED SURFACES:

- Use a full coat or spot prime repaired or uncoated surfaces such as woods with heavy tannins (Redwood and Cedar) with BEHR PREMIUM PLUS ULTRA™. Two coats may be required.

### CAUTIONS/LIMITATIONS:

- Protect from freezing.
- Do not use on floors.
- For best results, apply at temperatures between 50°F - 90°F. Temperatures above 90°F may affect the application such as drying too fast. Avoid painting in direct sun. NOTE: If the surface is hot to the touch it should be considered too hot to apply this coating.
- Avoid heavy traffic for 24 hours.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

### CLEAN UP:

Clean all tools and equipment with clean water. For disposal of empty containers and unused product, contact your household refuse collection service.

† **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](http://www.epa.gov/lead). **WARNING!** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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## ULTRA EXTERIOR SEMI-GLOSS ENAMEL

NO. 5850 ULTRA PURE WHITE®

**SURFACE PREPARATION:**

All surfaces must be clean, free of dust, chalk, oil, grease, wax, polish, mold and mildew stains, loose and peeling paint, rust and all other foreign substances.

**Mildew:** All surfaces must be clean of mold and mildew stains and dirt prior to coating. Remove mildew stains with BEHR® Premium Mold & Mildew Stain Remover No. 62 at full strength on exterior, mildew-stained surfaces of all types including: wood, concrete, masonry, stucco, stone, brick, vinyl and aluminum siding, composite, tile, plastic, fiberglass and metals. Apply using a pump sprayer, brush, mop or roller. Scrub the surface using a stiff bristle broom or scrub brush. One gallon of the product will treat 200-250 sq. ft. (19-23 m<sup>2</sup>). Allow the product to work for at least one minute to remove mildew stains. Do not allow the product to dry on the surface. Rinse the surface and surrounding area thoroughly with water from a garden hose using the nozzle at normal pressure, or use a pressure washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the wood. Prolonged exposure on painted surfaces may damage finish. Use the product at full strength.

**Galvanized Metal, Metal & Aluminum:** The oil film on new galvanized metal must be removed before it is painted. Remove oil film with a detergent and water solution. For better paint adhesion, sand the surface with sandpaper, steel wool, or by using BEHR® Concrete & Masonry Cleaner & Etcher No. 991. Clean by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. **Metal:** Remove all rust and mill scale using sandpaper, steel wool, abrasive blasting, or other abrading methods to create a profile on the metal's surface. Clean the metal by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Bare metal must be coated the same day it is cleaned.

**Vinyl Siding, Architectural Plastics:**

All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow drying. **CAUTION:** Vinyl siding is manufactured to withstand certain levels of heat intensity. Be sure when choosing a paint color, to select a color which is similar or lighter than the vinyl siding's original color. A darker color paint will absorb more heat, resulting in a warping of the siding.

**Wood: Shakes & Shingles, Composition Panels/Siding, Fiber Board:**

**New Wood:** Remove mill glaze with sandpaper or use BEHR® Premium 2-in-1 Wood Prep No. 63 to open the pores of the wood and follow all label instructions. For severe stains caused by mold, mildew, algae and fungus, apply BEHR® Premium Mold & Mildew Stain Remover No. 62 and follow all label instructions. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking and allow to dry completely. Patched and filled surfaces should be sanded smooth and dusted clean prior to coating.

**Previously Painted Wood:** Remove all loose and peeling paint and all other foreign substances. Clean any dirt and grease by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely prior to coating. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking, and allow to completely dry prior to coating. **Glossy Surfaces:** For maximum adhesion, sand the surface thoroughly before coating. **Weathered Wood Surfaces:** †To remove loose wood fibers, latex, oil-based and 100% acrylic coatings on new or weathered wood decks, siding, fences, shakes and shingles, use BEHR® Premium Stain & Finish Stripper No. 64 and follow all label instructions. Use BEHR® Premium 2-in-1 Wood Prep No. 63 and follow all label instructions to clean and brighten the wood surface and to remove light to medium stains caused by mold, mildew, algae and fungus. Be sure to follow all label instructions. **Wood:** WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

**Tannin Bleed & Stainblocking:**

After priming, test for stain bleed-through by applying the topcoat to a small section. If the stain bleeds through the topcoat, apply a second coat of primer and test again before top-coating the entire area. If bleeding continues, a longer dry time of the primer may be needed before top-coating or an additional coat of primer may be required to block the tannin bleed or stain.

**Masonry: Stucco, Concrete, Cut Masonry Unit's (CMUs), Split-Faced Block:**

**New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. Smooth masonry may require an adequate profile for adhesion. For all other smooth concrete, create a profile using BEHR® Concrete & Masonry Cleaner & Etcher No. 991 or with mechanical means. Remove loose aggregate and debris using BEHR® Concrete & Masonry Degreaser & Cleaner No. 990. Scrub vigorously into the

surface with a plastic brush broom or power washer. Rinse thoroughly with water and allow to dry.

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco:**

**New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the substrate.

**Previously Painted Surface:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow to dry.

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## ULTRA EXTERIOR SATIN ENAMEL NO. 9850 ULTRA PURE WHITE®



### PRODUCT INFORMATION

BEHR PREMIUM PLUS ULTRA™ is a pearl-like sheen formulated with advanced NANO GUARD® technology. It is a 100% acrylic latex paint and primer in one that offers a mildew resistant finish and protection against sunlight damage, moisture, stains and dirt. It is the perfect choice for use in all weather climates.

### RECOMMENDED USES:

Ideal for use on properly prepared, coated or uncoated, exterior surfaces such as wood, vinyl, aluminum, fiber cement siding, brick, masonry, stucco, doors, windows, trim, shutters, fences, garage doors, outdoor furniture, railing and wrought iron. It is also perfect for painting properly prepared metals, galvanized metals, aluminum and tannic woods.

COMPLIES WITH THE BELOW AS OF 3/22/2011			
OTC	YES	CARB	YES
SCAQMD	YES	MPI #	15
		MPI X-Green	YES

### PRODUCT SPECIFICATIONS:

#### Tint Bases/Max Tint Load:

- \*No. 9850 Ultra Pure White® Base 128 oz / 2 oz
- No. 9854 Medium Base 120 oz / 10 oz
- No. 9853 Deep Base 116 oz / 14 oz

**Gloss:** 15-25 @ 60°

**Vehicle Type:** 100% Acrylic Latex

**\*Weight Per Gallon:** 10.9 +/- 0.2 lbs. /gal

#### \*% Solids:

- By Volume: 37.8 +/- 2%
- By Weight: 52.6 +/- 2%

**VOC:** <50 (g/l)

**Flash Point:** Not Applicable

**Viscosity:** 100-110 KU

#### \*Recommended Film Thickness:

- Wet: 6.4 Dry: 2.4 mils @ 250 SFPG
- Wet: 4.0 Dry: 1.5 mils @ 400 SFPG

**\*Coverage:** 250-400 Square Feet Per Gallon, depending on application method and substrate porosity. Does not include the loss of material from spraying.

### APPLICATION:

**Brush:** Nylon/polyester

**Roller:** Use a 3/8" - 1/2" nap cover on smooth surfaces and 1/2" - 3/4" on rough, porous surfaces

**Airless Spray:** At packaged consistency

**Tip:** .015" - .021"

**Filter:** 60 mesh

**Thinning:** (If required) No more than 1/2 pint of water per gallon.

† **Dry Time:** @ 77° & 50% RH

- † To Touch: 1 hour
- † To Recoat: 2-4 hours
- † Full Cure: 2 weeks (UPW base);  
4 weeks (Medium and Deep base)

### RECOMMENDED PRIMER / SYSTEMS:

#### PROPERLY PREPARED NEW SURFACES:

**Wood: Cedar, Redwood, Shakes & Shingles;**

**For Severe Tannin Bleed/Stainblocking:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436
- BEHR PREMIUM PLUS® Interior/Exterior Oil-Based Primer & Sealer No. 434

**Masonry: Stucco, Cinder Block, Cut Masonry Unit's (CMUs), Split-Face Block**

- BEHR® Concrete & Masonry Protector & Waterproofer No. 980 (Do not use on smooth or nonporous concrete.)
- BEHR® Interior/Exterior Basement & Masonry Waterproofer No. 875, or BEHR® Interior/Exterior Concrete & Masonry Waterproofer No. 870

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco**

- BEHR® Concrete & Masonry Bonding Primer No. 880
- BEHR® Interior/Exterior Basement & Masonry Waterproofer No. 875, or BEHR® Interior/Exterior Concrete & Masonry Waterproofer No. 870

**Masonry with pH Levels up to 13.0:**

- BEHR® Interior/Exterior Basement & Masonry Waterproofer No. 875, or BEHR® Interior/Exterior Concrete & Masonry Waterproofer No. 870
- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

**Galvanized Metal, Metal & Aluminum:**

- BEHR PREMIUM PLUS® Exterior Water-Based Primer & Sealer No. 436

#### PREVIOUSLY PAINTED SURFACES:

- Use a full coat, or spot prime repaired, or uncoated surfaces, such as woods with heavy tannins (Redwood and Cedar) with BEHR PREMIUM PLUS ULTRA™. Two coats may be required.

### CAUTIONS/LIMITATIONS:

- Protect from freezing.
- Do not use on floors.
- Do not use when air and surface temperatures are below 35°F and above 90°F.
- Avoid heavy traffic for 24 hours.
- Allow four weeks before washing or cleaning for full cure.
- Shelf life under normal conditions is two years unopened.

### CLEAN UP:

Clean all tools and equipment with clean water. For disposal of empty containers and unused product, contact your household refuse collection service.

† **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](http://www.epa.gov/lead). **WARNING!** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

\*This information is provided "as is" and no representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made with respect to this information or to any product referred to in this information.





## ULTRA EXTERIOR SATIN ENAMEL

### NO. 9850 ULTRA PURE WHITE®

#### SURFACE PREPARATION:

All surfaces must be clean, free of dust, chalk, oil, grease, wax, polish, mold and mildew stains, loose and peeling paint, rust and all other foreign substances.

**Mildew:** All surfaces must be clean of mold and mildew stains and dirt prior to coating. Remove mildew stains with BEHR® Premium Mold & Mildew Stain Remover No. 62 at full strength on exterior, mildew-stained surfaces of all types including: wood, concrete, masonry, stucco, stone, brick, vinyl and aluminum siding, composite, tile, plastic, fiberglass and metals. Apply using a pump sprayer, brush, mop or roller. Scrub the surface using a stiff bristle broom or scrub brush. One gallon of the product will treat 200-250 sq. ft. (19-23 m<sup>2</sup>). Allow the product to work for at least one minute to remove mildew stains. Do not allow the product to dry on the surface. Rinse the surface and surrounding area thoroughly with water from a garden hose using the nozzle at normal pressure, or use a pressure washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the wood. Prolonged exposure on painted surfaces may damage finish. Use the product at full strength.

**New Wood:** Remove mill glaze with sandpaper or use BEHR® Premium 2-in-1 Wood Prep No. 63 to open the pores of the wood and follow all label instructions. For severe stains caused by mold, mildew, algae and fungus, apply BEHR® Premium Mold & Mildew Stain Remover No. 62 and follow all label instructions. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking and allow to dry completely. Patched and filled surfaces should be sanded smooth and dusted clean prior to coating.

**Galvanized Metal, Metal & Aluminum:** The oil film on new galvanized metal must be removed before it is painted. Remove oil film with a detergent and water solution. For better paint adhesion, sand the surface with sandpaper, steel wool, or by using BEHR® Concrete & Masonry Cleaner & Etcher No. 991. Clean by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. **Metal:** Remove all rust and mill scale using sandpaper, steel wool, abrasive blasting, or other abrading methods to create a profile on the metal's surface. Clean the metal by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Bare metal must be coated the same day it is cleaned.

#### Vinyl Siding, Architectural Plastics:

All surfaces must be clean, free of dust, chalk, mold and

mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow drying.

**CAUTION:** Vinyl siding is manufactured to withstand certain levels of heat intensity. Be sure when choosing a paint color, to select a color which is similar or lighter than the vinyl siding's original color. A darker color paint will absorb more heat, resulting in a warping of the siding.

**Wood: Shakes & Shingles, Composition Panels/ Siding, Fiber Board: New:** Remove mill glaze on smooth wood with sandpaper or BEHR® Premium 2-in-1 Wood Prep No. 63. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely prior to coating. **Previously Painted Wood:** Remove all loose and peeling paint and all other foreign substances. Clean any dirt and grease by scrubbing the surface with a detergent and water solution, followed by a thorough rinsing with clean water. Set nails and fill holes, scratches, and gouges with the appropriate wood filler and let dry completely prior to coating. Remove all dust with a wiping cloth. Fill all gaps with a 100% acrylic, siliconized, paintable caulking, and allow to completely dry prior to coating. **Glossy Surfaces:** For maximum adhesion, sand the surface thoroughly before coating.

**Wood: WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

**Tannin Bleed & Stainblocking:** After priming, test for stain bleed-through by applying the topcoat to a small section. If the stain bleeds through the topcoat, apply a second coat of primer and test again before top-coating the entire area. If bleeding continues, a longer dry time of the primer may be needed before top-coating or an additional coat of primer may be required to block the tannin bleed or stain.

**Weathered Wood Surfaces:** † To remove loose wood fibers, latex, oil-based and 100% acrylic coatings on new or weathered wood decks, siding, fences, shakes, and shingles, use BEHR® Premium Stain & Finish Stripper No. 64 and follow all label instructions. Use BEHR® Premium 2-in-1 Wood Prep No. 63 and follow all label instructions to clean and brighten the wood surface and to remove light to medium stains caused by mold, mildew, algae and fungus. Be sure to follow all label instructions.

**Masonry: Stucco, Concrete, Cut Masonry Unit's (CMUs), Split-Faced Block: New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. Smooth masonry may require an adequate profile for adhesion. For all other smooth concrete, create a profile using BEHR® Concrete & Masonry Cleaner & Etcher No. 991 or

with mechanical means. Remove loose aggregate and debris using BEHR® Concrete & Masonry Degreaser & Cleaner No. 990. Scrub vigorously into the surface with a plastic brush broom or power washer. Rinse thoroughly with water and allow to dry.

**Masonry: Cement Composition Panels/Siding, Exterior Insulation and Finish Systems (EIFS) or Synthetic Stucco: New:** All masonry surfaces must be cured at least 30 days before painting. The pH must be 10.0 or lower prior to coating. All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer at a low setting (500-1200 PSI). DO NOT USE HIGH PRESSURE as this may harm the substrate. **Previously Painted Surface:** All surfaces must be clean, free of dust, chalk, mold and mildew stains, loose and peeling paint and all other foreign substances. Clean surfaces with a detergent and water solution by scrubbing the surface vigorously and rinse with a garden hose or a power washer and allow to dry.

#### GENERAL INFORMATION:

**WARNING!** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: ETHYLENE GLYCOL. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING IN VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION.** To avoid breathing vapors and spray mist, 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. If properly used, a respirator (NIOSH-approved for organic vapor with a P-Series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing; leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15-20 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. **CAUTION: KEEP OUT OF REACH OF CHILDREN – DO NOT TAKE INTERNALLY.**

\*This information is provided "as is" and no representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made with respect to this information or to any product referred to in this information.

