



# BEYOND™ MULTI-PURPOSE ACRYLIC ENAMEL

## DESCRIPTION

Industrial performance, zero VOC, zero HAP, very low odor, single component, water-based acrylic urethane.

This coating is designed for use on a wide variety of painted or primed surfaces, and equipment. Can be applied to interior and exterior over sound existing paint. Suitable for doors, cabinets, trim, furniture, equipment, tanks, etc. Since this coating is very low odor during application, it is ideal for use in schools, healthcare facilities, food service areas, office buildings, hotels or in any area where odors are an issue.

Rust-Oleum® Sierra Performance™ Beyond™ Acrylic Enamel complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

APPEARANCE: S38: Satin finish, S39: Gloss finish.

## PRODUCTS

### S38 Satin

| 1-Gallon | 5-Gallon | Description            |
|----------|----------|------------------------|
| 208040   | 208041   | White Pastel Tint Base |
| 208042   | 208043   | Tint Base              |
| 208044   | 208045   | Deep Tint Base         |
| 208046   | 208047   | Accent Tint Base       |
| 210479   | 210490*  | Clear                  |
| 208048   | 208049*  | Black                  |
| 238749   | 243754   | White Satin            |

### S39 Gloss

| 1-Gallon | 5-Gallon | Description            |
|----------|----------|------------------------|
| 208050   | 208051   | White Pastel Tint Base |
| 208052   | 208053   | Tint Base              |
| 208054   | 208055   | Deep Tint Base         |
| 208056   | 208057   | Accent Tint Base       |
| 210491   | 210492*  | Clear                  |
| 208058   | 208059*  | Black                  |
| 238748   | 243755   | White Gloss            |
| 238750   | —        | Navy Gray              |
| 238751   | —        | Safety Blue            |
| 210493   | 210494*  | Safety Red             |
| 210495   | 210496*  | Safety Yellow          |

\*Made-To-Order only. Contact Rust-Oleum Customer Service for details.

## COMPANION PRODUCTS

### RECOMMENDED PRIMER

Griptec or MetalMax

## PRODUCT APPLICATION

### SURFACE PREPARATION

**ALL SURFACES:** If excessive time has elapsed since the primer was applied, remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Industrial Pure Strength® Cleaner/Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry.

**STEEL:** Scrape and wire brush or power tool clean to remove loose rust, scale, and deteriorated coatings. Abrasive blast to a minimum Commercial Grade (SSPC-SP-6, NACE 3) for more severe exposures. Two coats of primer must be used on abrasive blasted surfaces.

**PREVIOUSLY COATED:** Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. The Multi-Purpose Enamel Finish is compatible with most coatings, but a test patch is suggested. **GOVERNMENT WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint 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. Carefully clean up with a wet mop or HEPA vacuum. For more information contact the U.S.EPA/Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).



## TECHNICAL DATA

# BEYOND™ MULTI-PURPOSE ACRYLIC ENAMEL

### PRODUCT APPLICATION (cont.)

#### APPLICATION

Apply only when air and surface temperatures are between 50°-100°F. (10°-38°C) and surface temperature is at least 5°F above dew point.

#### TINTING

Beyond tint bases can be tinted with Rust-Oleum 2030 Water-based Colorants or other high quality water-based or universal colorants, however these colorants will slightly increase VOC, but if used at the recommended levels, the VOC will not exceed 100 g/l. Use Evonik COLORTREND® PLUS 802 colorants to maintain zero VOC.

White Pastel Base accepts 2 oz. of tint.

Tint Base accepts 4 oz. of tint.

Deep Base accepts 8 oz. of tint.

Accent Base accepts 12 oz. of tint.

#### EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic bristle brush.

ROLLER: Use a good quality 3/8" synthetic nap roller cover.

AIR-ATOMIZED SPRAY:

| Method      | Fluid Tip   | Fluid Delivery | Atom Pressure |
|-------------|-------------|----------------|---------------|
| Pressure    | 0.055-0.070 | 12-16 oz./min. | 40-60 psi     |
| Siphon      | 0.055-0.070 | —              | 40-60 psi     |
| HVLP (var.) | 0.043-0.070 | 8-10 oz./min.  | 10 psi at tip |

Air cap for highest pressure

AIRLESS SPRAY:

| Fluid Pressure | Fluid Tip   | Filter Mesh |
|----------------|-------------|-------------|
| 2000-3000 psi  | 0.013-0.017 | 100         |

#### THINNING

If needed thin with water.

#### CLEAN-UP

Clean up with soap and water and dispose of all waste material in a proper manner and in accordance with local waste regulations. Consult with local environmental regulations for appropriate method of disposal and/or recycling of paint and empty container.

### PERFORMANCE CHARACTERISTICS

#### PENCIL HARDNESS

METHOD: ASTM D3363

RESULT: 3B

#### CONICAL FLEXIBILITY

METHOD: ASTM D522

RESULT: >33%

#### IMPACT RESISTANCE

METHOD: ASTM D2794

RESULT: >160 lbs (direct)

#### GLOSS AT 60°

METHOD: ASTM D523

RESULT: (Gloss) 70-85%

RESULT: (Satin) 20-30%

#### ACCELERATED WEATHERING (% gloss retention)

METHOD: ASTM D4587, QUV Type A bulb, 450 hours

RESULT: 93% gloss retention (Gloss Black)

#### CROSSHATCH ADHESION (Direct to steel)

METHOD: ASTM D3359

RESULT: 5B

# TECHNICAL DATA

## BEYOND™ MULTI-PURPOSE ACRYLIC ENAMEL

### PHYSICAL PROPERTIES

|   |             | SATIN   | GLOSS                                 |
|---|-------------|---|---------------------------------------|
| Resin Type  |             | Acrylic Urethane  | Acrylic Urethane                      |
| Pigment Type  |             | Varies with color   | Varies with color                     |
| Solvents  |             | Water   | Water                                 |
| Weight  | Per Gallon  | 9.2-10.6 lbs.   | 8.7-10.5 lbs.                         |
|   | Per Liter   | 1.1-1.3 kg  | 1.0-1.3 kg                            |
| Solids  | By Weight   | 37-52%  | 46-51%                                |
|   | By Volume   | 30-36%  | 36-38%                                |
| Viscosity   |             | 85-90 KUs   | 85-90 KUs                             |
| Volatile Organic Compounds**                                      |             | 0   | 0                                     |
| Recommended Dry Film Thickness (DFT) Per Coat                     |             | 1-3 mils (25-75μ)   | 1-3 mils (25-75μ)                     |
| Wet Film to Achieve DFT   |             | 3-9 mils (75-225μ)  | 3-8 mils (75-200μ)                    |
| Theoretical Coverage at 1 mil (DFT) 25μ                           |             | 481-578 sq. ft./gal. (11.8-14.2 m²/l)   | 580-610 sq. ft./gal. (14.3-15.0 m²/l) |
| Practical Coverage at Recommended DFT (assumes 15% material loss) |             | 135-490 sq. ft./gal. (3.3-12.1 m²/l)  | 165-520 sq. ft./gal. (4.1-12.8 m²/l)  |
| Dry Times at 70°-80°F (21°-27°C) and 50% rel. humidity            | Tack-free   | 30 minutes  | 30 minutes                            |
|   | Recoat      | 2-4 hours   | 2-4 hours                             |
| Dry Heat Resistance   |             | 200°F (93°C)  | 200°F (93°C)                          |
| Shelf Life  |             | 3 years   | 3 years                               |
| Safety Information  | Formulation | Lead-free/Solvent-free  | Lead-free/Solvent-free                |
|   | Warning!    | <b>PROTECT FROM FREEZING. IF PRODUCT SHOULD FREEZE, ALLOW THE MATERIAL TO WARM UP AND REMAIN NORMAL ROOM TEMPERATURE FOR 48 HOURS PRIOR TO USE. MIX BY HAND STIRRING.</b> | <b>DO NOT ALLOW TO FREEZE.</b>        |

\*\*Based on EPA Method 24.

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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Form: 210753  
Rev.: 110811