MOTOR COATER

TDS / Directions & Application Information

Motor Coater is easy to apply and offers superb coverage, leaving behind a self-leveling, professional finish. At this price, your engine bay will be a showstopper. Just too bad no one will see it under the hood!

To achieve expert results, please take the time to carefully read and understand the following directions before you begin your restoration project. These directions are meant to be general guidelines only and do not cover every application or environmental situation. If you have remaining questions or concerns, please contact us for technical assistance.

ALWAYS WEAR PROTECTIVE GLOVES AND SAFETY GLASSES. ALWAYS WORK IN A WELL-VENTILATED AREA.

Please heed all warning and caution notices on all KBS products.

MOTOR COATER PRODUCT DESCRIPTION

Motor Coater is easy to apply, offers superb coverage and yields a self-leveling professional looking finish brushed or sprayed. Provides deep, rich pigmented colors for excellent coverage. Motor Coater dries to a crack free finish that is guaranteed not to burn off and is rated to 500°F. Motor Coater will restore your engine's original color and is VOC compliant.

IMPORTANCE OF SURFACE PREPARATION

A common mistake is to think that detailed surface preparation is for overachievers, when it actually means the difference between poor results and results that can last generations. Corrosion and organic contamination will block and inhibit any coating from deeply penetrating and permanently adhering to the engine. Simply put, the cleaner the surface using **KBS Klean**, the more effective **RustBlast** will work and the deeper Motor Coater will penetrate into the pores to seal and protect your engine.

FOR BEST END RESULTS, surfaces must be dry and free of dust, dirt, oil, grease, wax and other contaminants. Newly sandblasted surfaces are the ideal choice for direct **Motor Coater** applications. Plastic media, bead or soda-blasted surfaces do not provide adequate abrasion and will require Step #2 RustBlast for further etching. Always allow products & surfaces to adjust to room temperature before prepping & painting.

KBS KLEAN: CLEANING SURFACE

Wire brush and/or wire wheel surface to achieve a solid surface profile. Alternately sand using 320 grit paper. After removing all loose paint & flaking rust, remove all surface contamination. **DO NOT** use a solvent based cleaner which will leave harmful residues.

Dilute **KBS Klean** concentrate with water. For general purpose cleaning, apply liberally and scrub the surface for 5 to 10 minutes. For heavy-duty cleaning, soak for up to 24 hours. Re-treat as necessary until clean. Do not allow KBS Klean to dry on the surface before rinsing. Rinse clear & let dry.

NOTE: Metal surfaces cleaned with **KBS Klean** should always be treated with RustBlast before painting. For alloys and non-ferrous metals, keep KBS Klean application times and dilution rates to a minimum. For previously painted surfaces, remove all paint by chemical stripping, followed by KBS Klean and RustBlast. If you are unable to remove all of the paint, lightly scuff with 400 grit sandpaper followed by KBS Klean. For new, smooth or shiny metal surfaces, lightly scuff with 120 grit sandpaper followed by **KBS Klean** and **RustBlast**.

RUSTBLAST: SURFACE PREP

Ideal application temp range is 55 to 82°F. Liberally apply RustBlast **FULL-STRENGTH** to a **CLEAN DRY SURFACE** using a spray bottle, brush, roller or backpack sprayer. Re-apply often to keep the surface wet for a minimum of 30 minutes (smooth/lightly rusted), 40 to 60 minutes (moderately rusted), or 1 to 2 hours (heavily rusted/corroded). For aluminum, brass and copper, keep the surface wet for 10 to 20 minutes. Do not allow RustBlast to dry on the surface before rinsing, as this can leave too heavy a zinc phosphate coating.

After treatment, rinse thoroughly with water and allow the surface to dry completely before coating. Treated parts can remain uncoated for up to 7 days before coating, as long as the surface is kept completely clean. A slight white powder residue may appear. This is a zinc phosphate coating which aids **Motor Coater** adhesion.

NOTE: It is not necessary to remove every last speck of rust before applying the **Motor Coater**. Some flash rust or orange staining may occur if the surface was not dried immediately after using RustBlast. Either case, you are ready for Motor Coater or priming with RustSeal.

RUSTSEAL: SEAL THE SURFACE *(OPTIONAL)*

Ideal application temp range is 55 to 82ºF. RustSeal is moisture-cured, ideally used only in moderate to dry atmospheric conditions. **AVOID** applying RustSeal in rainy or super humid conditions. Always work in a well ventilated area. Wear protective eyewear and gloves.

Stirring: Stir RustSeal thoroughly for several minutes before and during application. **DO NOT PAINT OUT OF CAN!** Dispense a working amount into a separate container and seal the original can immediately. Unused paint should NEVER be put back in the can. Reduce **5 to 10% if needed** using only **KBS #1 Thinner** or Xylene. Do not reduce RustSeal with lacquer thinner.

Apply RustSeal to clean, dry, prepped surfaces using a bristle brush, foam brush, roller, or spray equipment. RustSeal has superior self-leveling. Brush marks will flow out.

IF SPRAYING RUSTSEAL

FOLLOW ALL CAUTION & WARNING NOTICES WHEN SPRAYING. ALWAYS WEAR AN AIR SUPPLIED RESPIRATOR: NIOSH/MSHA approved organic vapor particulate respirator. Spray pressure of **35 to 45 psi** for **siphon/pot guns** and **25 to 35 psi** for **gravity/top container guns**. Recommended tip size: **1.4 to 1.5mm**. Clean your spray gun immediately after use.

Always apply a **MINIMUM of 2 thin covering coats** (2 mils each) for priming/sealing an engine or motor. Re-coating can be done once the prior coat is dry-to-touch and does not leave a fingerprint. For best results, apply each coat within 6 hours of the previous coat curing.

NOTE: When brushing RustSeal, do not overwork the brush as this can cause it to cure too quickly, possibly leaving visible brush marks. Brush an area and move on immediately.

REMEMBER: ALWAYS APPLY THIN, COVERING COATS!

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TDS / Directions & Application Information

Allow the last coat of RustSeal to cure for at least 8 hours before proceeding to the Motor Coater Application.

MOTOR COATER
(BRUSH / SPRAY APPLICATION)

Always work in a well ventilated area. Wear protective eyewear and gloves. Ideal Motor Coater application temp range is 55 to 82ºF.

Stirring: Stir Motor Coater thoroughly for several minutes to obtain even color mixture. Continue to stir often during painting. Avoid violent or excessive shaking. Reduce 5 to 10% if needed using **KBS #1 Thinner** or Xylene only. Apply to clean, dry & prepped surfaces using a bristle brush, foam brush, roller, or spray equipment. Brush marks will flow out nicely, but spraying is recommended for metallic colors for the best possible finish.

In most cases, a single full coat of Motor Coater will cover completely with full color depth.
If desired, a second coat may be applied within 30 minutes or AFTER 7 days.

SPRAYING:

Spray pressures:
35 to 45 psi for **siphon/pot guns**
25 to 35 psi for **gravity/top container guns**.
A Spray Tip of **1.4mm to 1.6mm** is generally recommended.

Average cure to touch: 2 to 4 hours.
Two thin coats are always better than one heavy coat.

Clearcoating: Not required, but if desired for additional durability and gloss, wait at least 7 days before applying **DiamondFinish Clear** or **KBS MAXX Clear**.

DO NOT apply Motor Coater in thick or heavy coats, as wrinkling may occur.
Do not apply additional coats after 30 minutes or before the previous coat has dried completely (typically 7 days).

STORAGE: Spray **KBS Paint Saver** towards the side of the can (1 to 2 seconds for pints) before sealing for storage. KBS Paint Saver prevents paint damage and extends storage times.

MOTOR COATER
AEROSOL APPLICATION

ALWAYS WEAR PROTECTIVE GLOVES AND EYEWEAR. Always use a NIOSH/MSHA approved air supplied respirator. For best results, spray at room temperature 55° to 82°F. Use only in moderate to dry atmospheric conditions (70% humidity or lower).

Shake the can for at least one minute after hearing the mixing ball rattle. During application, shake intermittently for approximately 10 seconds at 1 to 2 minute intervals. Hold the container 6 to 8 inches from the surface. Move back and forth, releasing sprayhead after each stroke. Overlap each stroke.

IMPORTANT: Apply thin coats. If paint runs or sags, the can is too close or paint is applied too heavily. Apply one or two thin covering coats. If desired, a second coat may be applied within 30 minutes or AFTER 7 days. Average cure to touch: 2 to 4 hours. After use, **invert the aerosol can and spray for 4 seconds** to clean the valve.

NOTE: If spray button clogs, pull off and clean with **KBS #1 Thinner**. DO NOT stick pins or wire into the can opening.

CURE INFORMATION

Motor Coater is an ambient air-cured coating and will cure fully at room temperature. No heat is required. Full cure is 7 days

Force Cure (Optional): To speed the cure, allow the final coat to air cure at ambient temperature for at least 1 hour, then heat to 140 to 180°F for 20-30 minutes.

CLEAN UP

Use **KBS #1 Thinner** or lacquer thinner for immediate clean up including your spray gun. Always wear protective gloves. If skin contact occurs, remove with KBS #1 Thinner or lacquer thinner followed by soap and water.

Type of Coating: Engine Paint
Sprayable VOC's (Using KBS #1 Thinner): <450g/l

Please follow all warning and caution notices. Refer to the Safety Data Sheet.

MADE IN THE USA!

Information contained herein is to our knowledge true and accurate, but all recommendations or suggestions are made without guarantee. Since the application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

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