



Trunk & Floorpan Repair Kit

Application Information

Kit Contents: 1 gal AquaKlean, 1 gal RustBlast, 1 gal RustSeal, 8 oz. #1 Thinner, 1 lb. NuMetal Epoxy Putty, 1 sq. yd. BackBone Reinforcing Mesh

Follow these general application guidelines & procedures when using all KBS Restoration Products in addition to their standard application instructions. As always, please heed all warning and caution notices.

The most important part of this repair process is PREPARATION. The more thorough a preparation job you do, the more impressive the end results will be.

Begin by removing all fixtures and fittings that will enable you to access all areas of the trunk / floorpan and then vacuum it out well to remove all loose dust & debris.

The next step is to remove all existing coatings and/or underseal-type products. It is not always possible to remove everything, but it is important to remove as much as possible. The best tools for this job will depend on the type of existing surface coating, but a gallon of paint stripper, a scraper, some 100 grit sandpaper, clean rags, and a lot of elbow grease would be in order. Also, some underseal type products can also be removed with a hot air gun.

After their removal, the surface should look like rust and scuffed up metal. There may be remaining bits of paint here & there that can't be removed and this is fine. Most importantly, the whole surface to be coated should be abraded with course sandpaper whether it is paint, metal or rust. To remove as much rust as you can, try scraping, sanding or wire brushing by hand. It is not recommended to use a power wire brush as this will polish the surface and embed contamination into the rust which can be very difficult to remove later. (Note: If power wire brushing is necessary, abrade the surface afterwards with course sandpaper and then thoroughly wash with AquaKlean not once, but TWICE!)

At this time it is important to do any necessary repairs or welding before proceeding with surface cleaning.

When you are ready to clean, dilute a mixture of AquaKlean per instruction label for heavy duty cleaning. Apply liberally to all surfaces and let soak for 5-10 minutes before scrubbing with a stiff bristle brush. Rinse thoroughly. In areas that are heavily contaminated, especially with engine oil, rinse thoroughly and repeat. If the body of the car is completely stripped out, simply

use a hose to rinse. If, however, you are just working on a floorpan, rinse using a bucket of fresh water & CLEAN rags. (Rags need to be clean otherwise all your hard work will be for nothing!) Also, don't be too concerned about water coming in contact with bare metal because AquaKlean is enhanced with an oxygen block inhibitor which will help prevent the incidence of flash rust between cleaning & painting.

After allowing the surface to dry, proceed with a liberal application of RustBlast by either spraying or brushing. Continually keep all surfaces wet for a minimum of 30 minutes before thoroughly rinsing, but for heavily rusted areas keep surfaces wet for a minimum of one hour or more. DO NOT ALLOW RUSTBLAST TO DRY prior to rinsing. (Note: You do not have to remove every bit of rust before applying RustSeal, but just as much as is practically possible.)

Your Trunk / Floorpan is ready for sealing after the surface is allowed to THOROUGHLY dry. You may need the help of a heat gun or blow dryer on seams & welds and in conditions of high humidity. (Note: Unlike other metal preps, metal treated with the revolutionary KBS system can be left up to 30 days before painting.)

Now is the time to inspect the trunk / floorpan for pinholes or areas weakened by rust. Measure & pre-cut a piece(s) of the BackBone Mesh to fit the area(s) making sure the mesh extends at least 2-3 inches (50-75mm) beyond it. Apply a thin coat 2mils (50um) of RustSeal to the entire prepared surface including the large holes & pinholes on both sides of the metal. When this first coat of RustSeal is dry to the touch, apply a second thin coat 2mils (50um) of RustSeal only to the areas you will be using the BackBone Mesh. When this second coat of RustSeal is still wet to tacky, embed the BackBone Mesh directly into it and mold it into the shape of the trunk / floorpan. If the trunk / floorpan is odd shaped and requires a lot of pressing & molding, however, wait until the coating is "tacky" before applying BackBone. Remember to always wear gloves and not to apply too much paint as it will make the BackBone application more difficult.

When BackBone & Rustseal has dried (approx. 3-4 hrs. later), apply another thin coating 2mils (50um) of

RustSeal over the entire trunk / floorpan including the areas reinforced with the BackBone Mesh. Within 6 hours of this last coating curing, mix NuMetal Epoxy Putty as directed & apply to repaired areas for smoothing or other parts that need filling. When working with NuMetal, have a bowl of water nearby to dip your fingers into for smoothing out the putty. This will help eliminate or reduce the need for future sanding. NuMetal epoxy putty will cure in approx. 6-8 hours at 75F (24C). You may give the area a light sanding after curing, but be careful NOT to sand through the coating! Afterwards, wipe down the sanding dust from the surface with a clean cloth, and apply a final coat of RustSeal. This final coat must be applied to the repaired areas, but may also be applied over the entire project area if you choose. It will take up to 7 days for the KBS Coating system to reach its full hardness.

Warning! Combustible.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. SEE MSDS FOR ADDITIONAL INFORMATION.

Information contained herein is to our knowledge true and accurate, but all recommendations or suggestions are made without guarantee. Since 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.

Made in the USA.

KBS Support Forum
www.kbs-coatings.com/support/

Please follow all warning and caution notices.

CAUTION: CONTAINS PETROLEUM DISTILLATES AND ISOCYANATES.

KEEP AWAY FROM HEAT, SPARKS, AND FLAME. USE ONLY WITH ADEQUATE VENTILATION. TO AVOID BREATHING VAPORS OR 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, WEAR RESPIRATORY PROTECTION (NIOSH/MSHA TC 23C OR EQUIVALENT) OR LEAVE THE AREA. SAFETY GLASSES AND PROTECTIVE GLOVES ARE RECOMMENDED DURING APPLICATION AND CLEAN UP. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. CLOSE CONTAINER IMMEDIATELY AFTER EACH USE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP CLOSURES TIGHT AND UPRIGHT TO PREVENT LEAKAGE. IN CASE OF SPILLAGE, ABSORB AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

THIS COATING IS INTENDED TO BE USED UNDER THE FOLLOWING CONDITIONS; AUTOMOTIVE AND INDUSTRIAL USE, VOC 320g/l

Hazardous ingredients: Diphenylmethane Diisocyanate cas 26447-40-5 Naptha Petroleum cas 68333-23-3 Aluminum cas 7429-90-5 Carbon Black cas 1333-86-4

FIRST AID: IN CASE OF SKIN CONTACT, REMOVE IMMEDIATELY BEFORE DRYING. IN CASE OF CONTACT WITH EYES, FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES AND SEEK IMMEDIATE MEDICAL ATTENTION. IF YOU ARE EXPOSED TO A HIGH CONCENTRATION OF VAPORS OR YOU EXPERIENCE DIFFICULTY BREATHING, LEAVE THE AREA TO OBTAIN FRESH AIR. IF BREATHING DIFFICULTIES CONTINUE, SEEK MEDICAL ATTENTION. IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. HARMFUL OR FATAL IF SWALLOWED. NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN OR NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.