



TECHNICAL DATA SHEET

KEIM BIO PAINT STRIPPER HEAVY DUTY

FOR MASONRY AND CONCRETE

PRODUCT DESCRIPTION

Bio Paint Stripper is a biodegradable, water-based paint remover. It is non-toxic, user friendly and environmentally safe. It is extremely effective in removing the toughest industrial coatings like epoxies and urethanes from metal and concrete. This remover will effectively lift urethanes, latex, alkyd paints and varnish as well as most two-component epoxy coatings and fusion bonded epoxies from all types of substrates, including steel, aluminum, metal alloys, concrete, masonry, and stone.

PRODUCT PROPERTIES

- Water Based—easy to use
- Fully Biodegradable
- Non-Flammable
- Contains no TAP's or HAP's
- Non-carcinogenic and non-toxic
- Low VOC—non-ozone depletion
- Low Odor
- Will not burn skin
- Very cost effective:
 - o Reduces labor required to mechanically strip coatings
 - o Low cost of waste disposal
 - o Reduces down time
 - o Safe—lower insurance costs for worker safety and storage

FIELD OF APPLICATION

Bio Paint Stripper is ideal for the removal of most aged paints, even high-performance industrial coatings. It is suitable for stripping paint on existing concrete, stucco, masonry, stone, etc. as well as ferrous and non-ferrous metals and wood.

TECHNICAL DATA

Appearance	White, heavy emulsion
Specific Gravity	1.00 g/m ³
Boiling Point	99.3°C
Freezing Point	NA
pH value	2.6 (acidic)
VOC	< 80 g/liter

Environmental Compliance

EPA	YES
CARB	YES
SCAQMD	YES

PREPARATION

Cover and protect areas where paint removal is not desired, including adjoining surfaces where overspray may travel. Plastic (polyethylene) sheets make a very effective barrier. If using masking tape, apply two layers of tape and remove the top layer immediately after application as the stripper may soak through the tape, damaging paint under it. Plants should be covered or washed thoroughly before and during application.

MIXING:

On opening the container, if water appears to have separated out of the product, thoroughly mix the stripper with a drill until it becomes homogeneous once again.

DO NOT SHAKE. DO NOT DILUTE.

MOCK-UP & TESTING

Always prepare a test area prior to full application. This will indicate the time required for project completion and suitability of product for removal of paint and use on the substrate.

EQUIPMENT

This product is engineered for airless spray application. Use only airless equipment with chemical resistant packings. Use a tip size of 0.019 inches or larger. (Example: a 519 or 425 tip). Roller and brush application should be used ONLY for horizontal surfaces.

Ensure application equipment is free of any previously applied products, chemicals, or solvents (especially mineral spirits).

APPLICATION

Apply a thick, even layer of stripper onto the coating being removed. An airless sprayer is the most effective means of application. Always start the sprayer pump at the lowest pressure setting and slowly build up the pressure until an adequate fan pattern has been generated. The minimum wet film thickness should be 15 mils (300 microns). The stripper must be applied 30%-50% thicker than the coating to be removed, i.e., 10 mils of coating require 13-15 mils of stripper to be removed effectively. High pressure is neither required nor desired. High pressure and narrow tip sizes will break the stripper's emulsion and will reduce its effectiveness. When trying to build up films thicker than 30 mils (600 microns), it is advisable to build the stripper film in two separate applications. First apply a light coat of approximately 10 mils (250 microns), allow it to

dwell for about 30 minutes and then build the rest of the stripper film thickness in the second application. Once applied, leave the stripper alone, as agitation slows down penetration. Brushing and rolling should be avoided because these methods produce a lower film build and inconsistent thickness of stripper.

DWELL TIME

The time required for penetration varies according to the type of paint, and the temperature. Most painting systems require 1 to 6 hours. Leave the stripper overnight for the best results.

Re-Application

When there are multiple layers of paint, it is quite likely that there is poor inter-coat adhesion between some layers. Premature lifting may occur at this interface. If this happens, remove the lifted layers, and reapply the stripper to the remaining layers of aged paint. Do not allow the stripper to dry completely. The stripper is designed to remain wet and effective over extended periods of time (up to 48 hours), but excessive sunshine, windy conditions or insufficient stripper thickness can cause early drying. If the stripper starts to dry, reapply a light coating and allow extra time for completion.

COVERAGE:

The Bio Paint Stripper is formulated for thick film build up on vertical and overhead surfaces. The desirable wet film thickness of stripper is approximately one and a half times the dry film thickness of the paint. The minimum wet film thickness should be 15 mils (300 microns). The stripper must be applied 30%-50% thicker than the coating to be removed (10 mils of coating requires 13-15 mils of stripper). Typically, coverage is approximately 40 to 90 SF/GAL.

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REMOVAL & CLEANUP

Removal of lifted paint can be completed by scraper, squeegee, wet/dry vacuum suction system or by pressure wash. The stripped surface must be rinsed with water or denatured alcohol to remove all chemical residues before repainting. When rinsing, always work from the bottom to the top. Any water that runs down the substrate will deactivate the stripper and allow the paint to re-adhere, therefore never work from the top to the bottom. Collect lifted paint and dispose of in accordance with local government regulations. Do not collect and/or store removed paint and stripper waste residue in metal containers. Clean up spray equipment by running water or denatured alcohol through the equipment soon after the spraying has been completed.

LIMITATIONS

Surface temperatures should be 65° to 95°F (20° to 32°C). The product performs effectively at lower temperatures (even at 32°F, 0°C), but the dwell time increases.

PACKAGING

5 GALLON

STORAGE

DO NOT ALLOW STRIPPER TO FREEZE! PROTECT FROM EXPOSURE TO EXCESSIVE HEAT AND SUN.

Sealed containers can be stored for up to 12 months in a cool and dry storage facility.

DISPOSAL

Dispose of completely emptied containers in accordance with local, state, and federal waste regulations. Any residues must be emptied out of containers before recycling.

SAFETY INSTRUCTIONS

Proper safety procedures should always be followed while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use. Heavy Duty Cleaner is an acidic gel. It is essential to wear protective clothing and glasses while using this product.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

DO NOT TAKE INTERNALLY.

SEE THE SAFETY DATA SHEET.