



Application Guide

Kit Part Number: 9239-QT / 1.892 liter (.50 U.S. gallon / 64 ounces)
Color: Black

A Product of: Zolatone Automotive, Industrial & Marine
Div. of Surface Protection Industries International
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READ ALL INSTRUCTIONS THOROUGHLY

- *For professional / industrial use only.*
- *Product contains Isocyanates, a known harmful and hazardous chemical compound.*
- *Before using, read all instructions and can labels thoroughly.*
- *Follow all safety instructions completely. Read M.S.D.S. before applying.*
- *Apply in an automotive spray booth only. Do not apply outside in the sun.*
- *Filters for ventilation equipment should be changed frequently before becoming so clogged they interfere with the ventilation.*
- *Worker should not get between where the exhaust ventilation is being drawn and where the product is being applied.*
- *Areas containing Isocyanates should be restricted to properly trained and protected workers. All other workers should stay away from the area.*

PROTECTIVE CLOTHING & EQUIPMENT

- Where there is potential for skin and eye contact with Isocyanate compounds, it is a requirement for all persons to wear appropriate PERSONAL PROTECTIVE EQUIPMENT, and clothing to prevent contact. Protective wear includes:
- Coveralls (spray suit) chemical protective compatible wears.
- Head cover. Chemical protective.
- Footwear. Chemical protective.
- Gloves chemical protective.
- Eye protection, including air supplied self-contained breathing apparatus (SCBA).
- For additional information please see the M.S.D.S.

NOTE: A full face supplied air respirator level B only must be used when working with Isocyanates. The self-contained breathing apparatus (SCBA) is a positive pressure unit.

RESPIRATORY PROTECTION

- Isocyanates are odorless. When proper protection is not used, they can cause:
- Allergic sensitization
- Irritation of the eyes and lungs
- Upset stomach and vomiting
- Possible fevers
- Stuffiness of the nose
- Sore throat and a feeling of tightness in the chest

Usually a full-face supplied air respirator such as (DeVilbiss # 165013) will be used when working with Isocyanates. However, absent from this, a brand new air purifying respirators may be used provided it is used with a combination organic vapor cartridge (NIOSH/MSHA) equipped with a P-100 filter. Use a brand new air purifying respirator each time you spray with Isocyanates. Another alternative is self-contained breathing apparatus (SCBA) in the positive pressure or continuous flow mode.

Check with local governing air regulations for the necessary clothing, equipment as well as respiratory protection guidelines.

WASH UP IMMEDIATELY AFTER EXPOSURE

Thoroughly and immediately wash any skin exposures to Isocyanates to help prevent skin irritation and allergic skin reactions.

SURFACE PREPARATION

- Wash all surfaces with an abrasive body shop cleaner and a maroon scuff pad.
- Rinse thoroughly with water and allow to completely dry.
- Sand with 180-grit paper until all gloss is removed and the surface is abraded.
- Remove or treat any rust.
- Blow off the surface with compressed air.
- Wipe surface using a high quality wax and grease remover with a high quality (lint free) paper shop towel.
- Spot prime any bare metal areas with a high quality aerosol metal etching primer.
- Mask off surface.

SPRAY EQUIPMENT

- Check for water in the airline, assure that all water is drained in the traps.
- Use a Schutz style Undercoating Gun (such as Nikota # 30034).
- It can be helpful to cut app. 1/2" off nozzle of Schutz style gun to allow a wider spray pattern.
- Use an air compressor capable of supplying ample CFM and air pressure.

MIXING MATERIAL

- Only mix enough material to fill one empty Schutz can at a time.
- Spray material then mix enough to fill the Schutz can again.
- If spraying an extremely large bed, it can be helpful to have another person mixing up additional material.
- That additional person should have proper protective clothing, equipment and respiratory protection.

APPLICATION

- Apply using a Schutz style Undercoating Gun mated with an air compressor capable of supplying ample CFM and air pressure.
- Set air pressure to approximately 50 PSI, which could be increased to 80 PSI if needed.
- Pour mixed material into the empty Schutz can.
- Start immediately spraying the surface with frequent passes until coverage is achieved and is uniform.
- If spraying a truck bed, work from the front of the bed, then sides and finally to the rear.
- Do not apply too thick of a film. Suggest no more than 15-16 mils. wet film thickness.

APPLICATION TIPS

- The narrow end of the paper funnels in the kit may be trimmed to provide a wider opening for the urethane material. Lightly tape these funnels to the top of the empty Schutz can to aid when pouring the urethane material.

- After spraying the urethane material, pull tape and masking materials 15-30 minutes after application.
- Pull tape and masking materials in such a manner so that if any stringing occurs that it falls back onto a previously sprayed area.
- Apply in an automotive spray booth only. Do not apply outside in the sun.
- Ideally, have a second person ready to catalyze the subsequent quart, as the previous quart is almost empty to ensure smooth spraying.
- Do not use Lacquer thinner to thin material when spraying in extremely hot conditions. Lacquer thinner contains solvents which can cause an accelerated catalyzed reaction with the urethane material.
- After application, material should not be exposed to dew rain or moisture for a period of 72 hours.
- For best results, allow 72 hours before light use. For heavy use all allow 7-10 days.
- Can be Force Dried at 140°F in 30-60 minutes. Allow 60 minutes flash time before using force air or baking.

APPLICATION IN TEMPERATURES ABOVE 90 DEGREES F.

- Catalyze only one quart at a time. Do not catalyze quarts ahead of time to avoid gelling.
- Minimize time between catalyzing of the next quart to avoid clogging spray gun.
- Ideally, have a second person ready to catalyze the subsequent quart, as the previous quart is almost empty to ensure smooth spraying.
- The preferred method for application in temperatures above 90 Degrees F is to place the Tuff Rider kit(s) in an air-conditioned room for approximately 4-5 hours before spraying. If an air conditioned room is unavailable, place the kit(s) in a refrigerator for 20-30 minutes to sufficiently cool the material to approximately 70 Degrees F. (Or, in lieu of any cooling abilities, you may do the following below. This may reduce texture and viscosity.)
- If the temperature of the material reaches 90-95 degrees F, use 1 oz. Toluene to the base (short filled quart 24oz.) mix well, then catalyze with the half-pint of catalyst. This will require transferring the material to another container for mixing, adding Toluene and finally the catalyst.
- If the temperature of the material reaches 95-100 degrees F, use 2 oz. Toluene to the base (short filled quart 24oz.) mix well, then catalyze with the half-pint of catalyst. This will require transferring the material to another container for mixing, adding Toluene and finally the catalyst.
- After spraying two quarts of material, clean the Schutz style gun with Toluene to avoid clogging.
- Avoid entrapment of moisture in the system by using a filter or moisture absorbing desiccant to trap moisture.

CLEANUP OF EQUIPMENT

- When the job is completed, clean up the spray equipment immediately with Lacquer thinner.
- Dispose of in accordance with local regulations.
- Do not use Lacquer thinner to thin material when spraying in extremely hot conditions. Lacquer thinner contains solvents which can cause an accelerated catalyzed reaction with the urethane material.