



Application Instructions

Reflexite® VC104+ Rigid Grade can be applied to new and used trucks and trailers with **painted** rigid sides. For unpainted surfaces e.g. stainless steel please contact Reflexite.

Tools Required

- Clean cloths
- Craft knife
- Squeegee covered with a clean cloth to avoid scratching the material
- Old vehicles only: Abrasive pad
- Solvent Cleaner: Isopropyl alcohol (IPA)

Application Temperature

To ensure proper adhesion between the tape and the cleaned substrate, bonding materials must be applied when both the substrate and tape temperature is between 15°C and 38°C. The temperature needs to be consistent for at least one hour after application. NB! It is recommended that Reflexite VC104 Rigid Grade is stored at room temperature (23°C).

Where to apply

Use the guidelines provided in Regulation ECE 104 to ensure that the tape is in general positioned correctly on the vehicle.

Step 1: Initial Preparation

Used vehicles:

Survey the vehicle for suitability of application. Avoid application of the tape over holes, rivets, rust and flaking paint. The tape should be applied to a flat, clean, uniform surface.

The user is responsible for determining whether the Reflexite® product is fit for a particular purpose and suitable for the user's application. Users are urged to carefully evaluate substrates for material adhesion and compatibility. Listed below are guidelines for selected substrates. Material failures caused by the substrate or improper surface preparations are not the responsibility of Reflexite (Please contact the Reflexite European Technical Centre on tel. +353 51 359400 for any further information required).

Two-part Polyurethane Paints

Two-part polyurethane paints must be cured before applying Reflexite tape. If the paint is not properly cured, outgassing will cause bubbles to form under the applied material and the adhesive will not adhere adequately. Reflexite recommends testing for outgassing prior to applying Reflexite tape. For drying times, paint manufacturers' guidelines are to be followed in all instances. While most paints are usually touch-dry within a few hours, dependent upon the primer, paint mixture and thickness, proper curing may make significantly longer, up to one week.

GRP (Glass Reinforced Plastics) and/or gelcoated surfaces

Similar guidelines to the above will apply for composite materials such as GRP substrates and/or gelcoated surfaces, in that the substrate must be properly and fully cured before applying, otherwise outgassing may result.

Outgassing Plastics

Polycarbonates, Polyprenes and other plastics can interact with the environment absorbing or outgassing moisture, or outgassing processing aids and solvent carriers for additives, which might cause the formation of bubbles on the film. Preliminary tests are essential to ensure that no adverse effects arise from this interaction.

Step 2: Surface Cleaning

The purpose of cleaning the substrate is to remove any dirt or contamination. It is very important that the surface must be free of dust and grease, and ideally the surface should be smooth. Use a clean cloth with isopropyl alcohol to wipe the surface in one direction only to avoid spreading contamination. With a dry clean cloth wipe away the cleaner before evaporation. Repeat this process until the surface is clean, i.e. when there is no visual dirt or contamination transfer onto the cloth. Ensure the surface is dry and the isopropyl alcohol has completely evaporated before commencing application.

Application & Care

Reflexite® VC104+ Rigid Grade

For trucks and trailers with rigid sides
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Used vehicles:

An additional step is required for used vehicles: After completing the above cleaning process, abrade the area with an abrasive pad, and clean again with the isopropyl alcohol with a clean cloth.

Step 3: Alignment

Mark out a pencil line guide, or alternatively apply a strip of masking tape.

Step 4: Application

Tack the end of the tape onto the surface (20mm from the edge), peel back approximately 1 meter of the release liner and tack the tape in place using the squeegee. Repeat the process for the length of the vehicle. Avoid touching the adhesive side of the tape. After completing this process, apply pressure using a squeegee along the length of the tape, to remove any trapped air or wrinkles.

It is important to ensure that the edges of the tape have been properly adhered to the surface.

Upon inspection of the application there should be no visual air bubbles. Prick out any bubbles with a pin or sharp blade and press down.

NB! All corners of the tape should be rounded using a pair of scissors or sharp blade. It is recommended that this is done before the tape is applied to the vehicle to avoid damage to the curtain. If a full contour marking is done, the corners of the tape can be overlapped.

Step 5: Bonding Time

It is recommended that the vehicle is not moved for 1 (one) hour after application.



Care Instructions

Manual Washing:

Reflexite® VC104+ Rigid Grade can be washed manually by brush, cloth or sponge using water, soap or detergent followed by a clean water rinse.

Power Washing:

Automatic truck / car wash or standard high-pressure hand spray:

- Maximum pressure – 1200 PSI / 80 bar
- Maximum water / wash solution 60° C
- 40° Nozzle cone opening size should be used
- Cleaning wand or jets to be at no greater angle than 45 degrees from perpendicular to the marking surface
- Hold the cleaning jet a minimum of 60cm away from the material

When using cleaners/degreasers, make sure the product is suitable for vehicles and follow the manufacturer's recommendations for dilution. Thoroughly rinse after soaking vehicle. Prolonged exposure to cleaners/degreasers can in some circumstances affect the material negatively. Prolonged exposure in combination with sunlight can reinforce cleaners/degreasers negative effect.

Do not use solvents to clean the film, as they can adversely affect the product. If soap or detergent does not sufficiently clean the film, VC104+ Rigid Grade can be gently rubbed with a cloth soaked in isopropyl alcohol to remove the stains.

Important: The suitability of the intended care process must be determined by the end user.

IMPORTANT NOTICE

All Reflexite products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Reflexite products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of Reflexite products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

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