

[Manuals.plus](#) /

› [HI-TECH](#) /

› HI-TECH Industries VP&C Dye HT-460 Charcoal Gray Instruction Manual

HI-TECH HT-460

HI-TECH Industries VP&C Dye HT-460 Charcoal Gray Instruction Manual

Model: HT-460

[Product Overview](#)

[Safety Information](#)

[Setup](#)

[Operating Instructions](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. PRODUCT OVERVIEW

The HI-TECH Industries VP&C Dye (Vinyl, Plastic & Carpet Dye), model HT-460, is a specialized aerosol product designed for restoring, renewing, and rejuvenating automotive carpet, vinyl, and plastic surfaces. This particular dye is available in Charcoal Gray and is formulated to meet O.E.M. standards. Each aerosol can contains 11.25 oz net weight of dye and is California / OTC VOC Compliant.



Image 1.1: HI-TECH Industries VP&C Dye HT-460 Charcoal Gray aerosol can.

2. SAFETY INFORMATION

Always prioritize safety when using this product. Read and understand all instructions before use.

- **Ventilation:** Use in a well-ventilated area to avoid inhaling fumes. If working indoors, ensure adequate airflow or use a respirator.
- **Eye Protection:** Wear safety glasses or goggles to protect eyes from accidental spray.
- **Skin Protection:** Wear gloves to prevent skin contact. Wash hands thoroughly after handling.
- **Flammability:** This product is flammable. Keep away from heat, sparks, open flames, and other ignition sources. Do not smoke while using.
- **Storage:** Store in a cool, dry place, away from direct sunlight and out of reach of children and pets.
- **Disposal:** Dispose of empty cans and any waste material according to local regulations.
- **First Aid:** In case of eye contact, flush with water for 15 minutes and seek medical attention. In case of skin contact, wash with soap and water. If inhaled, move to fresh air. If swallowed, do not induce vomiting; seek immediate medical attention.

3. SETUP AND PREPARATION

Proper preparation is crucial for achieving optimal results and ensuring the dye adheres correctly and evenly.

1. **Clean the Surface:** Thoroughly clean the vinyl, plastic, or carpet surface to be dyed. Remove all dirt, grease, oil, silicone, and any other contaminants. Use a suitable cleaner for the specific material and allow it to dry completely. Residue can prevent proper adhesion.
2. **Masking:** Carefully mask off all areas not intended for dyeing. Use automotive-grade masking tape and plastic sheeting or newspaper to protect surrounding surfaces, such as trim, windows, and painted areas.
3. **Test Area:** It is highly recommended to test the dye on an inconspicuous area first to ensure color match and adhesion, especially on unique materials or if unsure about the original color's interaction with the dye.
4. **Ventilation:** Ensure the work area is well-ventilated as per safety guidelines.
5. **Shake Can:** Shake the aerosol can vigorously for at least one minute after the mixing ball begins to rattle. Continue shaking periodically during application.

4. OPERATING INSTRUCTIONS (APPLICATION)

Follow these steps for effective application of the VP&C Dye.

1. **Application Distance:** Hold the can approximately 8-10 inches (20-25 cm) from the surface.
2. **Light Coats:** Apply the dye in thin, even coats. Avoid applying a thick single coat, as this can lead to runs, uneven color, and poor adhesion.
3. **Even Coverage:** Move the can in a steady, sweeping motion across the surface, overlapping each pass slightly to ensure uniform coverage.
4. **Drying Time Between Coats:** Allow 5-10 minutes of flash-off time between coats. The surface should be tacky but not wet before applying the next coat.
5. **Multiple Coats:** Apply multiple light coats until the desired color depth and coverage are achieved. For significant color changes (e.g., from light to dark), more coats will be necessary.
6. **Carpet Application (Optional):** For carpet surfaces, a scrub brush can be used between coats to work the dye into the fibers, ensuring better penetration and a more natural look. This also helps prevent the carpet from becoming stiff.
7. **Final Drying:** After the final coat, allow the dyed surface to dry completely. Drying time can vary based on temperature, humidity, and coat thickness, but typically takes several hours to fully cure. Avoid touching or using the dyed area until it is completely dry.

5. MAINTENANCE OF DYED SURFACES

To prolong the life and appearance of your dyed vinyl, plastic, or carpet surfaces:

- **Cleaning:** Clean dyed surfaces with mild automotive interior cleaners. Avoid harsh chemicals or abrasive scrubbers that could damage the dye.
- **Protection:** For vinyl and plastic, consider using a UV protectant designed for automotive interiors to prevent fading and cracking over time.
- **Avoid Scuffing:** Minimize friction and scuffing on dyed areas, especially on high-traffic carpet sections.

6. TROUBLESHOOTING

Uneven Color / Streaks:

This usually occurs from inconsistent application. Ensure the can is shaken well, apply in thin, even coats, and maintain a consistent distance from the surface. Re-apply light coats if necessary after proper drying.

Poor Adhesion / Peeling:

Often caused by inadequate surface preparation. Ensure the surface is thoroughly cleaned and free of all contaminants (dirt, grease, silicone) and completely dry before application. Temperature and humidity can also affect adhesion; apply in recommended conditions.

Stiff Carpet:

If carpet feels stiff after dyeing, too much product may have been applied in a single coat, or it wasn't worked into the fibers. Use a scrub brush between light coats to help distribute the dye and keep fibers soft.

Overspray:

Overspray can be prevented by thorough masking of surrounding areas. If overspray occurs on unintended surfaces, attempt to clean immediately with an appropriate solvent, being careful not to damage the underlying material. Always test solvents in an inconspicuous area first.

7. SPECIFICATIONS

Product Name:	HI-TECH Industries VP&C Dye
Model Number:	HT-460
Color:	Charcoal Gray
Net Weight:	11.25 oz (per aerosol can)
Compliance:	California / OTC VOC Compliant
Intended Use:	Automotive carpet, vinyl, and plastic surfaces
Manufacturer:	HI-TECH Industries (HIT)
Item Weight (Shipping):	Approximately 1 pound

8. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding the HI-TECH Industries VP&C Dye HT-460, please contact the manufacturer directly.

Manufacturer: HI-TECH Industries (HIT)

Please refer to the product packaging or the official HI-TECH Industries website for the most current contact information and warranty details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question