

HI-TECH HT 465

HI-TECH Industries VP&C DYE - Tawny Gray (HT 465)

Instruction Manual

1. INTRODUCTION

The HI-TECH Industries VP&C Dye (Model HT 465) in Tawny Gray is a specialized product designed for restoring and recoloring vinyl, plastic, and carpet surfaces. This semi-gloss dye provides a durable finish, ideal for automotive interiors, marine applications, and other areas requiring color restoration. This manual provides essential information for safe and effective use of the product.



Image 1: HI-TECH Industries VP&C Dye, Tawny Gray (HT 465) product can.

2. SAFETY INFORMATION

Always prioritize safety when using chemical products. Read and understand all instructions and warnings before use.

- **Ventilation:** Use in a well-ventilated area. If working indoors, ensure adequate airflow or use respiratory protection.
- **Personal Protective Equipment (PPE):** Wear chemical-resistant gloves, eye protection (safety glasses or goggles), and appropriate clothing to prevent skin contact.
- **Flammability:** This product is flammable. Keep away from heat, sparks, open flames, and hot surfaces. Do not smoke during application.
- **Inhalation:** Avoid breathing vapors or spray mist. If inhaled, move to fresh air. If symptoms persist, seek medical attention.
- **Skin and Eye Contact:** In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.
- **Ingestion:** Do not ingest. If swallowed, do NOT induce vomiting. Call a poison control center or doctor immediately.
- **Storage:** Store in a cool, dry, well-ventilated area, away from direct sunlight and incompatible materials. Keep container tightly closed when not in use.
- **Disposal:** Dispose of contents and container in accordance with local, regional, national, and international regulations.

3. PREPARATION

Proper surface preparation is crucial for optimal adhesion and a uniform finish.

1. **Clean the Surface:** Thoroughly clean the vinyl, plastic, or carpet surface to remove all dirt, grease, oil, wax, and any other contaminants. Use a suitable cleaner and ensure the surface is completely dry before proceeding.
2. **Repair:** Repair any cracks, tears, or damage to the surface before dyeing.
3. **Masking:** Carefully mask off all areas not intended for dyeing using painter's tape and masking paper or plastic sheeting. This prevents overspray and ensures clean lines.
4. **Test Area:** Always test the dye on an inconspicuous area first to ensure color match and desired finish.

4. APPLICATION INSTRUCTIONS

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



Image 2: HI-TECH Industries spray cans, suitable for vinyl and carpet applications.

1. **Shake Well:** Shake the can vigorously for at least one minute after the mixing ball begins to rattle. Continue to shake periodically during application.
2. **Application Distance:** Hold the can approximately 8-10 inches (20-25 cm) from the surface.
3. **Apply Thin Coats:** Apply the dye in thin, even coats using a steady, sweeping motion. Avoid applying heavy coats, which can lead to runs or an uneven finish.
4. **Flash-off Time:** Allow 5-10 minutes of flash-off time between coats. This allows solvents to evaporate and

prevents trapping.

- 5. **Multiple Coats:** Apply multiple thin coats until the desired color depth and coverage are achieved. Typically, 2-3 coats are sufficient.
- 6. **Invert and Clear Nozzle:** After each use, invert the can and spray for a few seconds until only clear propellant comes out. This prevents the nozzle from clogging.

5. DRYING AND CURING

Drying times can vary based on temperature, humidity, and film thickness.

- **Touch Dry:** Approximately 30 minutes.
- **Handleable:** Approximately 1-2 hours.
- **Full Cure:** Allow 24-48 hours for the dye to fully cure and achieve maximum durability. Avoid heavy use or exposure to moisture during this period.

6. MAINTENANCE

Once cured, surfaces dyed with HI-TECH VP&C Dye can be cleaned with mild automotive or household cleaners. Avoid harsh abrasives or strong solvents, which may damage the finish.

7. TROUBLESHOOTING

- **Uneven Color:** This often results from insufficient shaking, inconsistent application distance, or applying coats too heavily. Ensure proper shaking and apply thin, even coats.
- **Poor Adhesion:** Usually caused by inadequate surface preparation. Ensure the surface is thoroughly cleaned and dry, free of all contaminants.
- **Runs or Sags:** Occurs when too much product is applied in one area or coats are too thick. Apply lighter, more even coats with adequate flash-off time.
- **Clogged Nozzle:** Clear the nozzle immediately after use by inverting the can and spraying until clear propellant appears. If clogged, remove and clean with a solvent or replace.

8. SPECIFICATIONS

Brand	HI-TECH
Model Number	HT 465
Product Name	VP&C DYE
Color	Tawny Gray
Finish Type	Semi-Gloss
Item Volume	12 Fluid Ounces
Surface Recommendation	Carpet, Vinyl, Plastic
UPC	050753004657

Item Weight	1.3 Pounds
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9. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your HI-TECH Industries VP&C Dye, please contact HI-TECH Industries directly through their official website or customer service channels. Keep your purchase receipt for any warranty claims.

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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.

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