

HI-TECH HT 110

HI-TECH Industries VP&C DYE - White (HIT-HT-110) User Manual

Model: HT 110

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of HI-TECH Industries VP&C DYE - White (HIT-HT-110). This product is designed for restoring or changing the color of vinyl, plastic, and carpet surfaces, providing a permanent finish that resists cracking, peeling, or rubbing off.

Please read this manual thoroughly before use to ensure proper application and to achieve optimal results.

SAFETY INFORMATION

Always prioritize safety when working with chemical products. Adhere to the following guidelines:

- **Ventilation:** Use in a well-ventilated area. Avoid breathing vapors.
- **Personal Protective Equipment (PPE):** Wear appropriate gloves (e.g., nitrile or chemical-resistant), eye protection (safety goggles), and a respirator if ventilation is inadequate.
- **Flammability:** Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- **Storage:** Store in a cool, dry place, away from direct sunlight and out of reach of children and pets.
- **Disposal:** Dispose of contents and container in accordance with local, regional, national, and international regulations.
- **First Aid:** In case of contact with skin, wash thoroughly with soap and water. In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

Refer to the product's Safety Data Sheet (SDS) for more detailed safety information.

PRODUCT OVERVIEW



Figure 1: HI-TECH Industries VP&C DYE - White (HIT-HT-110) spray can. This image shows the product in its aerosol can form, highlighting the "Vinyl, Plastic & Carpet Dye" label and key features like "Permanent - Won't Crack, Split, Peel or Rub Off" and "Use to Restore or Change Original Color."



Figure 2: An assortment of HI-TECH Vinyl & Carpet Dye cans in various colors. This illustrates the range of available dyes, emphasizing the product line's versatility for different color restoration or change projects.

The HI-TECH Industries VP&C DYE (Vinyl, Plastic & Carpet Dye) is an aerosol-based dye designed for professional and DIY use. It provides a durable, permanent finish that will not crack, split, peel, or rub off once properly applied and cured. It is suitable for use on a variety of interior surfaces in vehicles, homes, and other applications.

Key Features:

- Permanent color restoration or change.
- Flexible finish that resists cracking and peeling.
- Suitable for vinyl, plastic, and carpet.

- Easy-to-use aerosol application.

SETUP AND PREPARATION

Proper preparation is crucial for a successful and long-lasting application.

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 designed for the specific material. For carpet, vacuum thoroughly and consider a carpet cleaner. For vinyl and plastic, a degreaser or all-purpose cleaner is recommended. Allow the surface to dry completely.
2. **Masking:** Mask off any areas not intended for dyeing using painter's tape and plastic sheeting or newspaper. This includes surrounding trim, glass, fabric, or painted surfaces.
3. **Ventilation:** Ensure the work area is well-ventilated. Open windows and doors, or use fans to circulate air.
4. **Shake Can:** Shake the aerosol can vigorously for at least one minute after the mixing ball begins to rattle. Continue shaking periodically during application.
5. **Test Area:** Always test the dye on an inconspicuous area first to ensure color match and compatibility with the material.

OPERATING INSTRUCTIONS (APPLICATION)

Follow these steps for optimal application of the VP&C DYE:

1. **Hold Can:** Hold the can upright approximately 8-10 inches (20-25 cm) from the surface.
2. **Apply Light Coats:** Apply the dye in light, even coats. Do not attempt to cover the surface in one heavy coat, as this can lead to runs, uneven coverage, and poor adhesion.
3. **Overlap Passes:** Use smooth, sweeping motions, 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. **Build Color Gradually:** Apply multiple thin coats until the desired color depth and coverage are achieved. Typically, 2-3 coats are sufficient for restoration, while more coats may be needed for significant color changes.
6. **Final Cure:** Allow the dyed surface to dry completely for at least 24 hours before handling or exposing to moisture. Full cure may take up to 72 hours, depending on humidity and temperature.
7. **Clean 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.

MAINTENANCE

Once cured, the dyed surface requires minimal maintenance. Clean the surface with mild, pH-neutral cleaners. Avoid harsh chemicals, abrasive cleaners, or stiff brushes, as these can damage the finish over time. For carpet, regular vacuuming is recommended.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Uneven coverage / Streaks	◦ Insufficient shaking of can. ◦ Applying too heavy coats. ◦ Inconsistent spray distance.	◦ Shake can vigorously before and during use. ◦ Apply multiple light, even coats. ◦ Maintain a consistent 8-10 inch distance from surface.
Dye peeling / Poor adhesion	◦ Surface not properly cleaned (grease, silicone). ◦ Surface not completely dry. ◦ Applying too heavy coats.	◦ Thoroughly clean and degrease surface before application. ◦ Ensure surface is completely dry. ◦ Apply light, even coats.
Nozzle clogging	◦ Dye dried in nozzle.	◦ After each use, invert can and spray until clear propellant appears. ◦ If clogged, remove nozzle and clean with mineral spirits or a thin wire.
Color not matching expectation	◦ Original surface color influencing final shade. ◦ Insufficient coats.	◦ Always test on an inconspicuous area first. ◦ Apply additional light coats to build color.

SPECIFICATIONS

- **Product Name:** HI-TECH Industries VP&C DYE - White
- **Model Number:** HT 110
- **Part Number:** 110
- **Color:** White
- **Item Weight:** 1.3 pounds
- **Item Package Quantity:** 1 can
- **Manufacturer:** HI-TECH
- **Application Surfaces:** Vinyl, Plastic, Carpet
- **Finish:** Permanent, flexible, non-cracking, non-peeling, non-rubbing off.
- **Drying Time (Tack-Free):** 5-10 minutes between coats
- **Drying Time (Handle):** 24 hours
- **Full Cure Time:** Up to 72 hours (varies with conditions)

WARRANTY AND SUPPORT

HI-TECH Industries stands behind the quality of its products. For specific warranty information, please refer to the product packaging or visit the official HI-TECH Industries website. For technical support, product inquiries, or to report issues, please contact HI-TECH Industries directly through their official channels.

While specific warranty details are not provided in this manual, general support can be found via the manufacturer's

contact information.

Manufacturer: HI-TECH Industries

For further assistance, please visit www.hitechindustries.com.

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This manual is for informational purposes only. Always follow product label instructions and safety warnings.

ASK A QUESTION ABOUT THIS MANUAL

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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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