

Tamper Evident Tapes Application and Storage Guide

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Intended Use

Tamper Evident Tape is designed for and commonly used for sealing cardboard shipping cartons, film-wrapped pallets, and wooden (smooth surface) shipping crates. The tape can also be used on other applications, which require a tamper evident feature, but we recommend testing for suitability prior to ordering.

All tapes are compatible for manual application with a hand-held tape dispenser. If applying tape with an automatic tape machine, we only recommend the model EST and PST tapes. Other tapes may prematurely reveal the hidden message as the adhesive contacts the tape machine rollers.

When removed, the tape will reveal a hidden security pattern in the tape and also leave a similar message of adhesive residue on the applied surface.

Recommended Storage

1. Store rolls laying flat. Store shipping carton as noted by the "This End Up" sticker.
2. Maximum storage temperature is 90°F (32°C).
3. Maximum Relative Humidity (RH) is 80%. For higher humidity conditions, store rolls at maximum 60% RH for 1 day, then place the rolls in a plastic bag until ready for use.

Under these conditions, a minimum shelf life of 2 years is guaranteed.

Application

1. Minimum Temperature - To initiate the bond, the adhesive must be applied at or above these minimum temperatures:

Adhesive: Acrylic	Tape Models: PVT, EVT, PST, EST	Minimum Application Temp.: +20°F
Adhesive: Hot Melt	Tape Models: ESTxx-36, PFT, EFT	Minimum Application Temp.: +50°F

After 4 hours on the surface, the tape is suitable for temperatures between -40°F and up to +150°F (up to +200°F for PVT and EVT tapes).

2. Surface must be clean and dry (though not normally required, clean with 99% isopropyl alcohol* and dry with a clean paper towel, if needed).

3. Maximum tape dispensing speed: 12 inches per second. Faster speeds will prematurely reveal the hidden tamper evident message.

4. For shipping cartons:

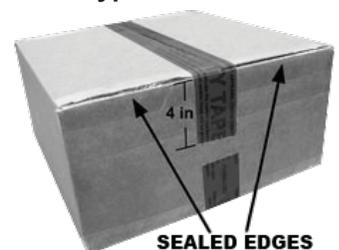
- a. Use the Tamper Evident Tape to seal the opposing flaps at the top and bottom. Extend the tape at least 4 inches onto the carton sides.
- b. If the shipping carton is over-filled or has a thick-wall construction, the excess spring in the flaps may cause the tamper evident tape to pop loose without revealing the hidden message. In this situation, also use standard packing tape (or more Tamper Evident Tape) to seal the edges to the side of the carton.
- c. Minimize applying Tamper Evident Tape directly over existing packaging tape. The packaging tape can be removed without activating the tamper evident feature in the Security Tape.

5. For film-wrapped pallets, stretch the film so it is taut, then apply the tape. The tape's ability to reveal the hidden message improves if the film is taut.

6. For wooden crates, the tape performance is better when affixed onto smooth surfaces. If needed, use sandpaper on coarse wood to make the surface smoother.

7. Do not apply Tamper Evident Tape in layers onto itself. When applied in layers, the top layer of Tamper Evident Tape will NOT show the hidden security message when removed.

Typical Carton



Typical Pallet

Removal and Clean-Up

If used on equipment or reusable packaging, these are recommended adhesive cleaners*:

- a. Citrus-based Solvents (Goo-Gone®, Orange-Sol®)
- b. 99% Isopropyl Alcohol
- c. Acetone

* Wear eye protection and avoid ignition sources when using flammable cleaners.