



FTP 10.21 STICKY-SIDE POWDER

- A. Purpose:** Sticky-Side Powder is a reagent for developing impression evidence on non-porous surfaces and tapes.
- B. Scope:** Sticky-Side Powder can be used on non-porous surfaces as well as both the adhesive/ non-adhesive side of tapes.
- C. Equipment**
1. Teaspoon or other measuring device
 2. Container for mixing
 3. Utensil for mixing
 4. Dropper
 5. Camel hair brush
 6. Dark or clear storage container
 7. Digital camera
- D. Chemicals, Reagents, Solvents, Standards**
1. Sticky-Side Powder
 2. Photo-Flo
 3. Tap water
 4. Commercially prepared Sticky-Side Powder
- E. Safety/PPE**
1. This procedure requires the examiner to work with potentially hazardous chemicals. It is the responsibility of the examiner to wear the proper PPE and follow common laboratory chemical handling procedures when using these chemicals. It is also the examiner's responsibility to be familiar with all associated Safety Data Sheets (SDS) prior to working with chemicals.
 2. Use of a fume hood is required when preparing and applying the reagent.
- F. Procedure**
1. Prepare selected solution.
 2. Apply the reagent to the item with a camel hair brush, or immerse item into a bowl containing the reagent.



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3. Wait approximately 15-60 seconds. Do not leave the paste on the tape surface for too long, since it may be difficult to rinse off.
4. Rinse under cold tap water.
5. Allow the item to dry.
6. Additional development of impression evidence may be performed.

G. Quality Requirements

1. See Footwear and Tire Track Impression Processing Technical Procedure (10.13).

H. Interpretations/Opinions/Report Wording Guidelines

1. See Footwear and Tire Track Impression Processing Technical Procedure (10.13).

I. Limitations

1. Poor results are generally obtained on black electrical tapes, some paper labels, and tapes bearing dried out adhesives.
2. Some tapes and adhesive labels absorb the paste too readily, and cannot be rinsed of excess paste.

J. References

1. <https://www.cbdi.org/start-interactive-chemical-reagent-program.html>
2. "Chemical Formulas and Processing Guide for Developing Latent Prints", U.S. Dept. of Justice, pg. 47-48, 1994.
3. Manual of Fingerprint Development Techniques 2nd. Ed., Home Office – Police Scientific Development Branch, White Crescent Press, Ltd., Luton, England, 2001.
4. Technical Notes, Lightning Powder Co. Inc., Salem, OR., 2001.

K. Additional Factors

1. Cyanoacrylate fuming does not inhibit the use of this reagent.