

For Footwear Impressions

Name of Procedure:

Preparation of Transparent Overlays for Footwear Impressions

Suggested Uses:

This procedure is to be used as an aid in the comparison of questioned footwear impressions to the known footwear impression.

Equipment Needed to Perform Procedures:

A - Black Magna Powder

B - Magna Wand

C - Residue footwear lifter or 4" wide fingerprint lifting tape and white paper

D - Camera equipment

Chemicals Needed For Preparation of Chemical Solution(s):

Not Applicable

Formula/Directions for Preparation of Chemical Solution(s):

Not Applicable

Processing Procedures for Application to Item(s) of Evidence:

1. The known shoe is placed on the work table with the sole facing upward.
2. Black Magna powder is applied to the sole of the shoe using the Magna brush ensuring that all areas of the sole are well coated.
3. Tap the shoe lightly on the table to remove any excess powder.
4. Remove the protective backing from the residue footprint lifter to expose the adhesive side. Place the lifter in position and press one end onto the sole of the shoe. Slowly press the remainder of the lifter onto the sole.
5. Once the lifter is fully pressed onto the sole, lift one edge and remove in a slow steady

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motion. Place the lifter on a white backing and carefully smooth it out.

6. The white backing with the powdered known footwear impression is then placed on the copyboard of the TC III camera. A photographic copy is made using positive film.

Note: The aperture setting should be at F22 and the time should be set for twenty (20) seconds.

The same procedure can be conducted using 4 " inch wide lifting tape in lieu of Residue Footwear Lifters by placing the lifted sole design on plain white paper.

Steps to Preserve Developed Impressions:

The developed impressions may be preserved through photography with the appropriate techniques utilized (See Photographic Equipment/Procedures) or recorded electronically (See Image Processing). See the above Processing Procedures for additional preservation information.

Safety Concerns:

Not Applicable

Storage and Location of Chemicals and Solutions:

Not Applicable

Shelf Life:

Not Applicable

Other Information:

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Not Applicable