Casts and impressions

Types of Impressions

Patent Impressions-

Latent Impressions-

Plastic Impressions-

Shoe Impressions

Can obtain information about the persons involved at a crime scene using shoe and tire impressions.

Size-

Depth-

Type-

Databases

Databases contain the names of specific manufacturers and tread patterns used to identify different types of shoes.

The number of manufacturers that use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_complicates shoe pattern identification.

Recall that merely matching footwear is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Shoe Wear Patterns

Although two different people may purchase the same type of shoes, the wear pattern on the shoes will appear different.

-

-

If the person walks straight ahead or tends to walk with toes pointed inward or outward.

-

-

-Unique holes, cuts, or debris that may become embedded in the shoe

Gait and Tracks

Gait=

Things that may affect Gait:

* Limp or injury
* Number of People at a Crime Scene
* Entrance and Exit to a Crime Scene

Collection of Impressions

* Take photographs before they are touched or altered.
* Fill the camera’s viewfinder with the impression
* Take photographs with the lens perpendicular to the impression to reduce distortion
* Take multiple photographs
* If using a digital camera, check your photographs for clarity and retake when necessary.
* Place an identifying label and a rule in position with the impression being sure to focus on impression and not ruler.
* Use oblique lighting when possible. Sunlight can produce glare.
* If flash is needed keep it 3-4 feet away from print.
* If impression is faint, spray it with a light coat of color contrasting solution.

Lifting latent impressions

* Luminol used on bloody footprints
* Dusting of the latent print, similar to dusting for fingerprints

Electrostatic Dusting and Lifting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Gel Lifting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Casting Plastic Impressions

A three dimensional impression, such as a shoeprint in mud or snow is called a cast.

If in sand or dirt, Plaster of Paris is used.

If in snow, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foot length and shoe size