TI03-199ENG-REV3

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TECHNICAL INFORMATION BIO-FOAM® Impression System Catalog No. BIF100

INTRODUCTION

The BIO-FOAM* Impression System is a simple but highly effective means of recording shoeprint impressions without damaging or contaminating the evidence. The high-density foam material records minute details while providing a three-dimensional impression. BIO-FOAM* is useful for recording a suspect's footwear as well as providing exemplars or standards of the footwear worn by other persons present at the crime scene.

PRECAUTIONS

- Before use, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at www.sirchie.com/support.
- This material is extremely sensitive to the slightest pressure. Avoid touching the surface.

PROCEDURE

- 1. Place a BIO-FOAM® Kit on a sturdy, level surface.
- 2. Remove the footwear from the subject.
- 3. Be certain the footwear to be tested is dry and free of debris before proceeding.

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- 4. Lightly press the footwear onto the surface of the kit until you reach a depth that will allow recording detail from the entire sole and heel as well as detail under a raised arch.
- 5. Carefully remove the footwear from the kit.

CASTING PROCEDURE

An exact duplicate of the footwear may be made from the BIO-FOAM[®] impression using various casting materials. If a plaster cast is desired, use SIRCHIE's Shake-N-Cast[™] Dental Stone Kit (No. SNC42).

- After recording the footwear in the BIO-FOAM[®], spray three light coats of Dust & Dirt Hardener (No. 638CA) onto the surface of the BIO-FOAM[®] impression. Allow 2-3 minutes drying time between applications.
- After the hardener is dry, apply one thin, even coating of Silicone Release Agent (No. SRA10), and then mix one No. SNC42 Shake-N-Cast[™] Kit as per mixing instructions on the kit and add pour it into the impression.
- Allow at least 30-minutes drying time. Remove the cast from the kit and allow up to 24-hours additional drying time before performing any examination.
- 4. Submit the cast to your crime laboratory for analysis, or
- Use a semi-stiff bristle brush to remove the BIO-FOAM[®] material that has adhered to the cast.