
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.





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).

1. 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.
2. 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.
3. 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
5. Use a semi-stiff bristle brush to remove the BIO-FOAM® material that has adhered to the cast.