

EVIDENCE CASTING

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When shoe, tyre, or tool mark impressions are left at a crime scene, they can provide the investigator with invaluable information to assist in identifying suspects. This series of casting kits and supplies were developed with this in mind. All kits are supplied with detailed instruction sheets which assure the correct casting procedure is followed.

PLASTER CASTING MATERIAL

A special, superfine formulation of calcium sulphate plaster used to make accurate reproductions of tyre and footprint evidence. Contains an exothermic retarder additive to prevent shrinkage while curing. Nine pounds of plaster casting material per 1 gallon metal container. Includes instruction sheet.



Reorder No.	Description	Price Per Unit
CMP-9	Plaster Casting Material, 9 lbs	\$27.20
JUG64OZ	Water Container, 64 oz. (empty)	\$6.10

DENTAL STONE CASTING MATERIAL

Even with a minimum amount poured into the impression, this gypsum based dental stone provides detailed reproductions of impressions along with a casting of unbelievable strength. Nine pounds of dental stone casting material is supplied in a 1 gallon metal container. Includes instruction sheet.



Reorder No.	Description	Price Per Unit
CMD-9	Dental Stone Casting Material, 9 lbs	\$44.50
JUG64OZ	Water Container, 64 oz. (empty)	\$6.10

SILICONE CASTING MATERIAL

This liquid silicone rubber casting material and catalyst are supplied in 2 lb and 8 lb cans along with 3.2 oz and 12.8 oz containers of catalyst, respectively, and a 3ml bottle of accelerant. Silicone is used for making accurate casts of footprints, tyre tracks, tool marks, and for lifting dusted prints from textured surfaces or irregularly shaped objects.

Preparing the silicone for casting is simple and straightforward. Combine 10 parts of silicone rubber with 1 part catalyst and add 1 to 2 drops accelerant and mix. Pour silicone mix in the impression and let cure for fifteen to thirty minutes (at 70° F, 50% relative humidity). Includes instruction sheet.



Reorder No.	Description	Price Per Unit
CMS-2	Silicone Casting Rubber, 2 lbs	\$86.50
CMSC-3	Silicone Catalyst, .2 lbs (3.2 oz.)	\$13.90
CMS-8	Silicone Rubber Casting Rubber 8 lbs (12.8 oz.)	\$249.00
CMSC-12	Silicone Catalyst, .8lbs (12.8 oz.)	\$51.00
CMSA-3	Silicone Accelerant, 3 ml	\$7.70

FLEXIBLE MIXING BOWLS

These flexible, chemical resistant, neoprene rubber mixing bowls are perfect for mixing plaster, dental stone, and silicone casting materials. After use, just bend the cup leftover plaster and dental stone will simply pop off. Remaining silicone can easily be peeled off after the silicone cures.



Reorder No.	Description	Price Per Unit
BOWL-S	Flexible Mixing Bowl, 3¼" W x 2¼" H, 150 ml	\$11.60
BOWL-M	Flexible Mixing Bowl, 4¼" W x 2¾" H, 350 ml	\$14.65
BOWL-L	Flexible Mixing Bowl, 4¾" W x 35/8" H, 600 ml	\$19.50
BOWL-XL	Flexible Mixing Bowl, 5" W x 4½" H, 850 ml	\$22.75

PLASTER AND DENTAL STONE MIXING BAGS

These 13" wide by 18" high 4 ml ziplock bags provide a clean and simple way to mix water with whatever casting material you prefer. Simply add the appropriate amount of plaster or dental stone and water to the bag, seal the bag, then shake the contents until you have a uniform mixture of casting material.



Reorder No.	Description	Price Per Case
ZIP13X18/4	Plaster and Dental Stone Mixing Bags, 100/case	\$83.25
JUG64OZ	Water Container, 64 oz. (empty)	\$6.10

"PRESS, SHAKE, & POUR" DENTAL STONE CASTING KIT-IN-A-BAG

This self-contained casting kit-in-a-bag consists of a 9" x 11", 6 ml thick polyethylene outer bag which contains a water bladder and the appropriate amount of dental stone to cast both tyre and footprint impressions.

Simply place the bag on a flat surface, press down on the bag to break the internal water bladder, shake bag to mix, then pour. No mess, no measuring, no hassle.



Reorder No.	Description	Price Per Unit
CMD-K	Dental Stone Casting Kit-In-A-Bag	\$25.95

WAX HARDENER FOR SNOW IMPRESSIONS

Taking a cast impression in snow always involves the risk of damaging the impression with your casting material. Impressions in powdery snow can distort or crumble during the pouring process and the exothermic reactions of casting agents can cause melting. This Wax Hardener is formulated to prime, seal, and protect delicate impressions before and during the application of a casting material. Use it to set the impression before casting, help protect against melting, and seal out excess water that might dilute your casting. Simply spray a few coats of wax on the impression, let it harden, then cast the impression following your normal procedures.



Reorder No.	Description	Price Per Unit
LC-WH-6	Snow Impression Wax Hardener, 6.56 oz.	\$27.70

DUST, SAND, AND DIRT HARDENER

This kit contains all the necessary components for preparing a footprint or tyre track for casting with plaster, dental stone, or silicone rubber casting materials. This product helps prevent the impression from deforming due to the weight of the casting material. Kit components are also offered separately.



KIT COMPONENTS

- 1 ea.** 1 gal. of Hardener Solution
- 1 ea.** 8 oz. Hardener Solution Spray Bottle
- 1 ea.** 8 oz. Pump Head Cleaning Solution

Reorder No.	Description	Price Per Unit
CK-DSDH	Dust, Sand, & Dirt Hardener Kit	\$55.45
LC-DSDH-64	Dust, Sand, & Dirt Hardener Solution, 1 gal	\$41.65
LC-A-8	Pump Head Cleaning Solution, 8 oz.	\$15.50

ACRYLIC SAND AND DIRT HARDENER

This 11.5 oz. aerosol can contains a fast drying, clear acrylic hardener for footprints and tyre tracks found in sand and dirt. This acrylic hardener can be used with plaster, dental stone, and silicone rubber casting material. Once dried, the hardener helps prevent the distortion of the impression from the weight of the casting material.



Reorder No.	Description	Price Per Unit
LC-SDH-11	Acrylic Sand and Dirt Hardener, 11.5 oz.	\$22.20



TYRE AND FOOTPRINT CASTING RELEASE SPRAY

This 9 oz. aerosol can of release spray is used to aid in the separation of whatever casting material you are using from the impression.

Reorder No.	Description	Price Per Unit
LC-CRS-9	Tyre and Footprint Casting Release Spray, 9oz.	\$18.50

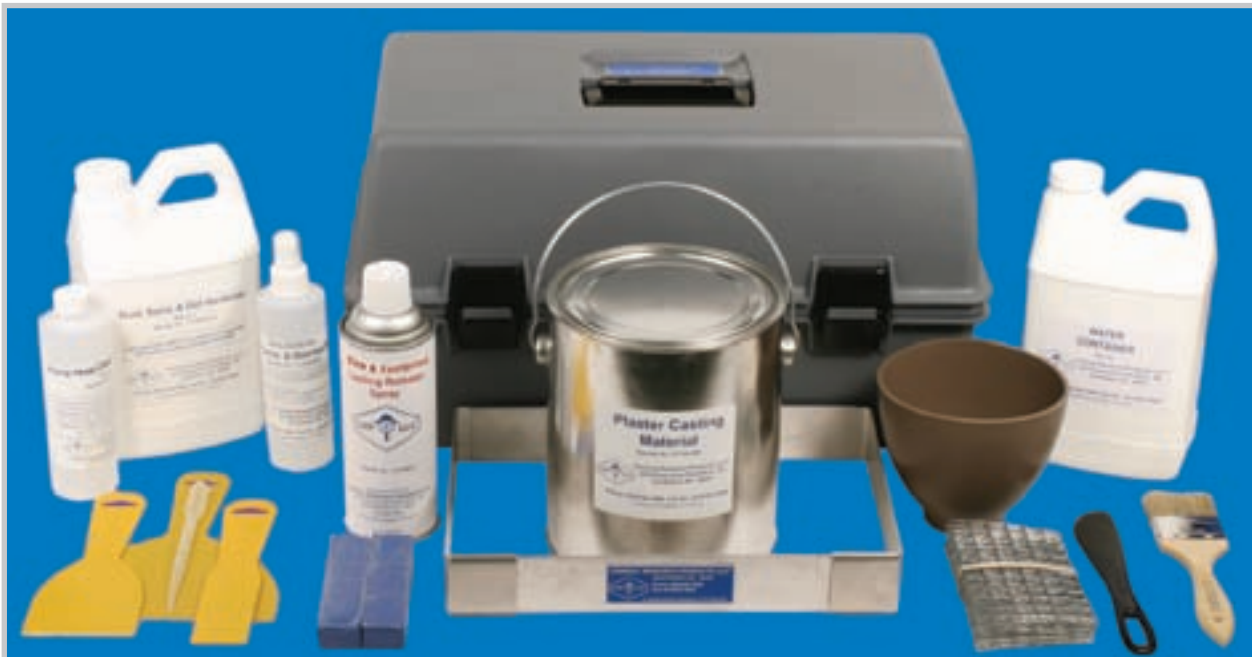
TYRE AND FOOTPRINT CASTING FRAMES

.40" thick, adjustable aluminium casting frames are used to restrict the flow and control the depth of plaster, dental stone, or silicone casting material when making casts at crime scenes.



Reorder No.	Description	Price Per Unit
FRAME-F	Footprint Casting Frame, 12" to 20" L x 8½" W x 1¾" H	\$23.90
FRAME-T	Tire Print Casting Frame, 20 ¼" to 24" L x 12" W x 1¾" H	\$36.60

BASIC TYRE AND FOOTPRINT PLASTER CASTING KIT



Our basic kit is provided in a copolymer carrying case and contains components for making plaster casts of foot and tyre impressions found in sand, mud, and dirt.

KIT COMPONENTS

- 1 ea.** Copolymer Carrying Case (19" L x 11½" W x 10½" H)
- 1 ea.** 9 lbs Dental Stone Casting Material
- 1 ea.** 64 oz. Dust, Sand, and Dirt Hardener Solution
- 1 ea.** 8 oz. Hardener Solution Spray Bottle
- 1 ea.** 8 oz. Pump Head Cleaning Solution
- 1 ea.** Flexible Mixing Bowl (XL)
- 1 ea.** 50 oz. Casting Dams Moulding Clay
- 1 ea.** 64 oz. Water Container (empty)
- 1 ea.** 9 oz. Casting Release Spray Aerosol
- 1 ea.** Cast Cleaning Brush
- 1 ea.** Plastic Mixing Spatula
- 10 ea.** 3" x 5" Wire Cast Reinforcement Mesh
- 1 ea.** Footprint Casting Frame
- 1 ea.** Pipette
- 3 ea.** Plastic Trowels (S, M, and L)
- 1 ea.** Kit Instruction Sheet

Reorder No.	Description	Price Per Unit
CK-BPC	Basic Tyre and Footprint Plaster Casting Kit	\$283.05

ADVANCED TYRE AND FOOTPRINT PLASTER CASTING KIT

The advanced Tyre and Footprint Plaster Casting kit contains all the necessary components for making detailed plaster reproductions of impressions found in sand, mud, dirt, and snow, along with items to properly mark the casts as collected evidence.



KIT COMPONENTS

- | | |
|---|--|
| 1 ea. Copolymer Carrying Case
(19" L x 11½" W x 10½" H) | 1 ea. 9 oz. Casting Release Spray Aerosol |
| 1 ea. 9 lbs Plaster Casting Material | 1 ea. Cast Cleaning Brush |
| 1 ea. 64 oz. Dust, Sand, and Dirt Hardener Solution | 1 ea. Plastic Mixing Spatula |
| 1 ea. 8 oz. Hardener Solution Spray Bottle | 10 ea. 3" x 5" Wire Cast Reinforcement Mesh |
| 1 ea. 8 oz. Pump Head Cleaning Solution | 1 ea. 6' Tape Measure |
| 1 ea. 6.56 oz. Snow Impression Wax Hardener Aerosol | 1 ea. Footprint Casting Frame |
| 1 ea. 11.5 oz. Acrylic Sand and Dirt Hardener Aerosol | 25 ea. Evidence Ties with tags |
| 4 ea. Flexible Mixing Bowl (S, M, L, and XL) | 1 ea. Evidence Marking Crayon, black |
| 1 ea. 50 oz. Casting Dams Moulding Clay | 1 ea. Pipette |
| 1 ea. 64 oz. Water Container (empty) | 3 ea. Plastic Trowels (S, M, L) |
| | 1 ea. Kit Instruction Sheet |

Reorder No.	Description	Price Per Unit
CK-APC	Advanced Tyre and Footprint Plaster Casting Kit	\$394.05

ADVANCED TYRE AND FOOTPRINT DENTAL STONE CASTING KIT

The Advanced Tyre and Footprint Dental Stone Casting Kit Contains all the necessary components for making detailed dental stone reproductions of impressions made in sand, mud, dirt, and snow, along with the items to properly mark the casts as collected evidence. The Dental

Stone Casting Material provides you with a casting of unbelievable strength – so strong that the 3" x 5" wire cast reinforcement mesh used in our Advanced Tyre and Footprint Dental Stone Casting Kits is not required.



KIT COMPONENTS

- 1 ea.** Copolymer Carrying Case (19" L x 11½" W x 10½" H)
- 1 ea.** 9 lbs Dental Stone Casting Material
- 1 ea.** 64 oz. Dust, Sand, and Dirt Hardener Solution
- 1 ea.** 8 oz. Hardener Solution Spray Bottle
- 1 ea.** 8 oz. Pump Head Cleaning Solution
- 1 ea.** 6.56 oz. Snow Impression Wax Hardener Aerosol
- 1 ea.** 11.5 oz. Acrylic Sand and Dirt Hardener Aerosol
- 4 ea.** Flexible Mixing Bowl (S, M, L AND XL)
- 1 ea.** 50 oz. Casting Dams Moulding Clay
- 1 ea.** 64 oz. Water Container (empty)
- 1 ea.** 9 oz. Casting Release Spray Aerosol
- 1 ea.** Cast Cleaning Brush
- 1 ea.** Plastic Mixing Spatula
- 1 ea.** 6' Tape Measure
- 1 ea.** Footprint Casting Frame
- 25 ea.** Evidence Tags with ties
- 1 ea.** Evidence Marking Crayon, black
- 1 ea.** Pipette
- 3 ea.** Plastic Trowels (S, M, and L)
- 1 ea.** Kit Instruction Sheet

Reorder No.	Description	Price Per Unit
CK-ADSC	Advanced Tyre and Footprint Dental Stone Casting kit	\$438.45

ADVANCED TYRE AND FOOTPRINT LIQUID SILICONE CASTING KIT

This kit contains all the necessary components for preparing silicone cast impressions found in sand, mud, dirt, and snow. The kit contains the majority of components used in the Advanced Tyre and Footprint Plaster Casting Kit, but is supplied with liquid silicone

rubber. The use of silicone provides minute details of the impression and eliminates the possibility of breakage of the casting in transit to the laboratory. This kit also includes items required to mark the casts as collected evidence.



KIT COMPONENTS

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|--------------|--|---------------|------------------------------------|
| 1 ea. | Copolymer Carrying Case
(19" L x 11½" W x 10½" H) | 1 ea. | 50 oz Casting Dams Molding Clay |
| 1 ea. | 8 lbs Silicone Casting Rubber | 1 ea. | 9 oz Casting Release Spray Aerosol |
| 1 ea. | 12.8oz Silicone Catalyst | 1 ea. | Cast Cleaning Brush |
| 1 ea. | 3ml Silicone Accelerant Solution | 1 ea. | Plastic Mixing Spatula |
| 1 ea. | 64 oz Dust, Sand, and Dirt Hardener Solution | 1 ea. | 6" Tape Measure |
| 1 ea. | 8 oz Hardener and Solution Spray Bottle | 1 ea. | Footprint Casting Frame |
| 1 ea. | 8 oz Pump Head Cleaning Solution | 25 ea. | Evidence Tags with ties |
| 1 ea. | 6.56 oz Snow Impression Wax Hardener Aerosol | 1 ea. | Evidence Marking Crayon, black |
| 1 ea. | 11.5 oz Acrylic Sand and Dirt Hardener Aerosol | 1 ea. | Pipette |
| 4 ea. | Flexible Mixing Bowl (S, M, L and XL) | 3 ea. | Plastic Trowels (S, M and L) |
| | | 1 ea. | Kit Instruction Sheet |

Reorder No.
CK-ASC

Description
Advanced Tyre and Footprint Liquid Silicone Casting Kit

Price Per Unit
\$649.35

BASIC LIQUID SILICONE CASTING KIT

KIT COMPONENTS

- 1ea. Copolymer Carrying Case (12 1/8" L x 7 1/4" W x 5 1/2" H)
- 1ea. 2 lbs Silicone Casting Rubber
- 1ea. 3.2 oz. Silicone Catalyst
- 1ea. 3 ml Silicone Accelerant Solution
- 1ea. Flexible Mixing Bowl (L)
- 1ea. 50 oz. Casting Dams Moulding Clay
- 1ea. 9 oz. Casting Release Spray Aerosol
- 1ea. Plastic Mixing Spatula
- 1ea. Kit Instruction Sheet



This kit contains all the necessary components for making extremely detailed castings of impressions of tool and jimmy marks found on door jams, window sills, etc., and lifting dusted latent prints from almost any textured or irregularly shaped surfaces.

Reorder No.	Description	Price Per Unit
CK-BSC	Basic Liquid Silicone Casting Kit	\$199.00

MIKROSIL® CASTING PUTTY KIT

This casting putty is used when highly detailed casting of tool and jimmy marks is required or for lifting dusted latent prints off a rough or round surface. Mikrosil® has been formulated to give excellent rendering of small details, highest contrast for microscope observations, good releasing ability for the cast, and short curing time.

To use Mikrosil®, simply mix the putty and catalyst on a mixing card with the supplied spatula and apply it to the surface being cast. Within six to eight minutes, the cast will be set. Mikrosil® even works in below freezing temperatures, creating a perfect cast within fifteen minutes.



Mikrosil® is available in four colours:

Brown is the colour which many tool mark examiners prefer. The dark colour increases the visibility of detail in the casts made from the tool marks, firing pin marks, breech face marks, and other marks on cartridge casings.

Grey is preferred by other tool mark examiners who photograph the contrast between the light coloured surface and shadows produced from the side lighting.

White or Black can be used to lift dusted latent fingerprints from rough or textured surfaces where regular lift tape will fail. Use with Mikrosil® with black powders and black Mikrosil® with white, silver or fluorescent powders.

Reorder No.	Description	Price Per Unit
CM-MIK-BR	Mikrosil Casting Putty Kit, Brown	\$51.50
CM-MIK-G	Mikrosil Casting Putty Kit, Grey	\$51.50
CM-MIK-W	Mikrosil Casting Putty Kit, White	\$51.50
CM-MIK-B	Mikrosil Casting Putty Kit, Black	\$51.50
CM-MIK-CAT	Additional Tube of Catalyst, 20g	\$19.95