



Plasti-Paste™

Trowelable Plastic Paste

PRODUCT OVERVIEW

Plasti-Paste™ is a new two component fiber resin that is designed for vertical surface application. Part A is a liquid and Part B is a paste. Mix ratio is 1A : 3B by volume (41A:100B by weight). It has no odor and pot life is 8 – 10 minutes depending on mass. Demold time (can be handled) is about 90 minutes depending on mass.

Plasti-Paste™ holds a vertical surface without sagging and cures to a strong, durable and lightweight plastic. Suitable as a mother mold / support shell (reinforces shape of rubber mold during casting), or as a laminating material. Can be pigmented with *So-Strong* color tints. Add cabosil or other filler as an extender or for special effects.

TECHNICAL OVERVIEW

Key Values: ~*Mixing Ratio:* One A to Three B by volume (41A:100B by weight) ~*Color:* Pale Yellow ~*Durometer:* Shore 70D
~*Pot Life:* 8 – 10 minutes ~*Demold Time:* 90 minutes (depending on mass) ~*Specific Volume:* 26.8 cu. in./lb.

Description: Plasti-Paste™ consists of two liquid components, Part A (Yellow Label) and Part B (Blue Label). When combined in a mixing ratio of 1A : 3B by volume (41A:100B by weight), Plasti-Paste™ quickly cures in about 90 minutes to a durable plastic.

Applying A Release Agent

Measuring

Mixing

Preparation . . . Mixing should be done in a well-ventilated area. Wearing eye protection, latex gloves and long sleeve garments to minimize skin contact is strongly recommended. If making a 2 or more piece mother mold, apply appropriate shim apparatus to rubber mold exterior.

Applying A Release Agent . . . A release agent is necessary to facilitate demolding when applying as a mother mold over a cured mold rubber. Use *Sonite Seal Release* wax and/or *Universal Mold Release* available from TCS, Inc. A liberal coat of release agent should be applied onto all surfaces that will contact the plastic

PRE-MIX Part B Before You Start . . . Part B is a thick paste that needs to be pre-mixed before being dispensed into measuring container. This will redisperse components that may have settled.

Measuring . . . Materials should be stored and used in a warm environment (72° F / 23° C). The components of Plasti-Paste™ requires two containers. The first will be used for measuring out amounts of Part A and Part B. The second should be large enough to contain both components and allow thorough mixing. **IMPORTANT:** Shelf life of Part A (Yellow Container) is drastically reduced after opening. Remaining product should be used as soon as possible. Immediately replacing the lids on both containers after dispensing product will prolong the shelf life of the unused product. **XTEND-IT Dry Gas Blanket** (available from TCS, Inc) will significantly prolong the shelf life of unused liquid urethane products.

Mixing . . . Mix Ratio is 1A:3B by volume (41A:100B by weight). **(Step 1)** Fill measuring container to the top with Part B paste, making sure to eliminate any large voids. Level off the top of the container and remove any excess material. The paste should then be thoroughly emptied into a larger container that will act as your mixing container. Repeat As Necessary.

(Step 2) Fill the measuring container to the top with Part A liquid and empty into mixing container. **Mix thoroughly for 1 -2 minutes** making sure that you **scrape the sides and bottom of the mixing container several times**. If adding *So-Strong* color tints, pre-mix with the Part B before adding Part A.

Applying

Curing

Storage

Applying . . . Plasti-Paste™ thickens quickly and pot life is limited. Do not delay between mixing and applying. To increase working time, spread entire container contents over rubber mold surface and cover and spread mixture to uncovered areas. Apply uniformly with spatula over mold surface. Plasti-Paste™ will adhere to itself if additional layers are needed. Apply at least 3/8" (1 cm) thickness, making sure rubber mold is thoroughly covered. Final surface can be smoothed by applying solvent (acetone) with gloved hand.

Curing . . . Plasti-Paste™ will develop handling strength and can be removed from rubber surface in about 90 minutes. At this point, it is stable enough to assemble over rubber mold and make a casting (hold 2 or more piece assemblies together with elastic bands or mold straps). Full strength will develop in 24 hours.

Storage . . . Plasti-Paste™ will maintain shape of rubber molds. Store rubber molds assembled inside mother molds at room temperature indoors in a dry place.

Safety First!

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The material safety data sheet (MSDS) for this or any other product should be read before using and is available on request. All Smooth-On products are safe to use if directions are read and followed carefully.

Be careful. Part A (Yellow Label) contains methylene diphenyldiisocyanate. Vapors, which can be significant if prepolymer is heated or sprayed, may cause lung damage and sensitization. Use only with adequate ventilation. Contact with skin and eyes may cause severe irritation. Flush eyes with water for 15 minutes and get immediate medical attention. Remove from skin with soap and water. Part B (Blue Label) is irritating to the eyes and skin. Avoid prolonged or repeated skin contact. If contaminated, flush eyes with water for 15 minutes and get immediate medical attention. Remove from skin with soap and water. When mixing with Part A, follow precautions for handling isocyanates. If machining, wear dust mask or other apparatus to prevent inhalation of residual particles.

Important - The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe a copyright or patent. User shall determine suitability of the product for the intended application and assume all associated risks and liability.

Call Us Anytime With Questions About Your Application.

Phone: (212) 367-7561

Fax: (212) 243-6374

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