

SILPAK, Inc

470 E. BONITA AVE. POMONA, CA 91767
PH (909) 625-0056 WWW.SILPAK.COM FX (909) 625-0082

Versatile Molding Material SILPUTTY-BR A/B (Clone)

Product Data Sheet

Silputty-BR A/B (Clone) is a two-component, Skin Safe, Brushable/Pourable, Fast Curing, Highly Tear Resistant, Platinum Silicone RTV designed to produce semi-durable, reusable molds quickly. This system's easy 1:1 mix and forensic detail capabilities prove well in producing molds used for Life Casting, Prosthetics, FX, Architectural Restoration, Rapid Prototyping, Food Production, and quick impressions. Molds can be used to cast all types of resins, wax, and plaster materials. ***Avoid using Latex Gloves, Tin RTV and Sulfur Clay with this system.*

Available Sizes: Pint Kit (2 lb), ½ Gal Kit (10 lbs), Gal Kit (18 lb), 5 Gal Kit (100 lbs)

Mix & Cure Instructions:

These products are designed to be mixed in the ratio of 1 part by weight of cross-linker to 1 part by weight of base, but visual estimation of proportions is usually sufficient. Measure out the desired quantities of respective components and mix until color is uniform. If pattern surface is porous or highly detailed, use MR 150 mold release prior to applying Silputty BR. This will provide extra slippage in de-molding rubber from pattern. Be careful not to mix more than can be applied in 5 minutes. Immediately after mixing, brush or trowel material onto desired surface. Take care to avoid air entrapment. Light air pressure from hair dryer may be used to remove surface bubbles. Your 1st print coat can be mixed with F-100 is a viscosity reducer @ 5-10%. Apply next layer within 10 minutes and continue building layers until desired thickness is achieved—1/4 inch. Summer or winter temperatures will affect the cure rate. Heat from hair dryer can be used to accelerate cure of RTV. Requirement for cure are dependent on the particular application and should be determined by the user.

****For Life Casting—Add *MO-35 Hair Release Agent* @ 20% to SilputtyBR-A only, which will aid in releasing rubber of hairy areas—i.e. eye brows, eye lashes. Tearless Baby Shampoo will also work, but avoid foaming the release.**

This is a Platinum Base System and certain materials will cause contamination, resulting in a gummy or sticky surface—Latex Gloves, Tin RTV and Sulfur Clay are some of the common contaminants that should be avoided. See Addition Cure Tech Sheet for additional information.

	SILPUTTY BR
	Brushable/Pourable
Consistency- Mixed	Paste
Gel Time	10 min
Cure Time	20-30 min (30min@ 25C)
Mixed Color	Purple
Durometer Shore A	35
Viscosity, cps	50,000 cps
Mix Ratio	1 to 1 By Volume or Weight
Color--Mixed	Purple
Specific Gravity	1.15
Tensile Strength, psi	450
Elongation	500
Tear Strength, ppi	75
Service Temp, C	-60 to 200 C
Shelf Life	6 Months

****Values listed are typical and not intended for use in specifications. Test methods are available on request.**

Cure Inhibition:

Certain materials will cause inhibition or neutralization of the curing agent. These materials are sulfur containing organo-metallic salt containing compounds found in organic rubbers, many Tin RTVs (Condensation cure), chloride solvents, and epoxy- amines. Inhibition may easily be determined by brushing a small quantity of material over a localized area of the surface to be reproduced. If the material is gummy or uncured after the curing time, then contacting surface is acting as an inhibitor.

STORAGE/SHELF LIFE:

A and B components must be stored in their original, unopened containers at temperatures between 60-90F. Shelf life of materials when kept in unopened, sealed containers, at the recommended storage conditions, is 6 months.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST APPLICATION, AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.