

# SILPAK, Inc

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## Liquid RTV SILPUTTY LV A/B

### Product Data Sheet

**Silputty LV A/B** Platinum Based, Easy 1 to 1 Mix, Quick Curing, Liquid Silicone RTV. This pourable, low viscosity system captures fine detail and provides a useable, cured rubber within minutes—Pressure Cast material @ 50-60psi for superior results. Use for making custom tool fixtures, quick impressions, calibration impressions, rapid prototype, or any application where a quick rubber mold or part for temporary use is required. 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. Visual estimation of proportions is usually sufficient. Measure out the desired quantities of respective components and mix until color is uniform. Be careful not to mix more than can be applied in 5 minutes. Immediately after mixing pour material into desired mold or over model. Take care to avoid air entrapment. Pressure casting is suggested for eliminating bubbles and strengthening cured rubber. Summer or winter temperatures will affect cure and gel times. Requirement for cure are dependent on the particular application and should be determined by the user. *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 LV A/B
	Pourable
Consistency- Mixed	Liquid
Gel Time	15 min
Cure Time	45 min
Mixed Color	Gray
Durometer Shore A	20
Viscosity, cps	18,000 cps
Mix Ratio	1 Part A to 1 Part B
Color-Base	Off White
Specific Gravity	1.15
Tensile Strength, psi	350
Elongation	200%

*\*\*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.