

# SILPAK, Inc

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## Extreme Firmness SILPUTTY SP-90 Product Data Sheet

Silputty Series are Platinum Based, Easy 1 to 1 mix, quick curing silicone RTVs. **Silputty SP-90 A/B** is a kneadable dough that is designed for its rubber hardness—90 A, which is extremely firm. Use for custom tool fixtures, quick impressions, calibration impressions, rapid prototype, and body impressions application where a quick, temporary mold or rubber part may be 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

Mix 1 part by weight of cross-linker to 1 part by weight of base—visual estimation of proportions is usually sufficient. Knead components together until color is uniform. Be careful not to mix more than can be applied in 60 seconds. Press material into desired surface—taking care to avoid air entrapment—and allow to cure. Summer or winter temperatures will affect cure and gel times. Heat from hair dryer can be used to accelerate cure. 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 SP-90
	Press On
Consistency- Mixed	Firm Putty
Gel Time	2 min
Cure Time	4.5 min
Mixed Color	Light Purple
Durometer Shore A	88 (+/-) 3
Viscosity, cps	Kneadable Dough
Mix Ratio	1 to 1
Specific Gravity	1.52
Elongation	100%
Tear Strength, ppi	20
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 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.

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