

PlatSil® SiliFoam

Soft, Translucent, RTV Liquid Silicone Foam

DESCRIPTION: PlatSil® SiliFoam is a 1A:1B by volume, platinum-cured silicone system. After mixing Part A and Part B, SiliFoam has a one-minute working time and then cures to a flexible foam with a free-rise density of 15 lb/ft³ in 30 minutes. SiliFoam can be used for many applications, but is often used in conjunction with PlatSil Gel Silicone Rubber to create prosthetic appliances. The weight of large prosthetic appliances can be reduced by back-filling surface layers of PlatSil Gel-OO or Gel-10 with low-density SiliFoam.

MIXING & CURING: Carefully measure equal volumes of Parts A and B into a clean container. Then, mix thoroughly, scraping sides and bottom of the container. Mixes gel in approximately one minute at room temperature: faster in warm environments, slower in cool. After mixing, quickly apply the mix (i.e., to the intended model, mold or prosthetic appliance). If the cured SiliFoam is intended to be removed from the model, and the model is made of a porous material (i.e., wood or plaster), then the model must be sealed (i.e., with wax, petroleum jelly, lacquer or paint) before applying SiliFoam to prevent penetration into the model. If SiliFoam is to be poured against a silicone rubber surface and intended to be removed later, then Pol-Ease® 2500 Release Agent must be applied to the surface before applying SiliFoam or the SiliFoam may bond to the silicone rubber. Molds and models made of other materials do not usually require a release agent, but a light application of Pol-Ease 2500 Release Agent can help.

For prosthetic applications in which SiliFoam is intended to bond to PlatSil Gel-OO or Gel-10, apply uncured SiliFoam to the Gel layer within 5 to 10 minutes after the Gel layer sets.

MAKING THEATRICAL PROSTHETIC APPLIANCES: PlatSil Gel-OO and Gel-10 are often used in making prosthetics and simulated tissue/skin applications. See the PlatSil Gel-OO and Gel-10 Technical Bulletin for details. PlatSil SiliFoam can be used in conjunction with PlatSil Gel-OO or Gel-10 to reduce the weight of larger appliances without sacrificing the inherent look and feel of a high quality, life-like PlatSil Gel system.

SILIFOAM PHYSICAL PROPERTIES	
Mix Ratio, By Volume	1A:1B
Pour Time	30-45 sec
Rise Time	4 min
Demold time @ 25°C (77°F)	30 min
Color	milky white
Mixed Viscosity	7,500 cP
Free-Rise Density	15 (lb/ft ³)

FEATURES

- Soft, translucent, silicone foam
- Fast 30-minute demold with a one-minute working time
- Bonds to PlatSil Gel-OO and Gel-10

SAFETY: Before use, read product labels and Material Safety Safety Sheets. Follow safety precautions and directions. Avoid contact with mucous membranes and eyes. Best method of cleanup is by wiping with disposable paper towels and washing with waterless hand cleaner, then soap and water. If solvents must be used, denatured ethyl alcohol is best, but should be handled with respect for health and flammability hazards.

STORAGE LIFE: At least six months in unopened containers stored at room temperature (60-90°F). Tightly reseal opened containers after use.

DISCLAIMER: The information in this bulletin and otherwise provided by Polytek is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. Before using, the user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith.

PACKAGING

Mix Ratio: 1A:1B (By Volume)

Total Unit Weight	Containers			
	Volume		Net Weight	
	A	B	A	B
3.7 lb	1 qt	1 qt	1.7 lb	2.0 lb
14.8 lb	1 gal	1 gal	6.8 lb	8.0 lb

ACCESSORIES

Pol-Ease® 2500 Release Agent

12-oz aerosol can, case of 12 cans

SiliColor Silicone Pigments

(Black, Blue, Fleshtone, Green, Red, White, Yellow)

4 oz (0.25 lb)

Silicone Fluid 50 cSt Grade

For Thinning PlatSil® Rubbers

1 qt (2 lb), 1 gal (8 lb), 5 gal (40 lb)