SILPAK SILPUTTY 25

Kneadable Platinum Silicone Dough

Silputty 25 is a platinum-based, two-component, 1:1 mix ratio by weight, food safe, quick curing silicone RTV that captures forensic detail. Simply knead A and B components together and press on to surface. Make a mold in less than 20 minutes.

Features

- Kneadable dough
- Simple Mix Ratio
- Complies with FDA 21 CFF 177.2600
- High detail capture

Applications

Use for making molds and impressions including anything where a quick temporary mold or rubber part may be required. Molds can be used to cast all types of resins, wax, plaster materials, and food.

- Custom rapid prototypes
- Architectural restoration
- Food molds
- Texture pads
- Tool fixtures
- Quick impressions
- Calibration impressions
- Mold making

Physical and Handling Properties

Property	Value
Color	Pink
Mix Ratio, by weight or volume	1 Base : 1 Activator
Initial Viscosity, Base, cP	Kneadable Dough
Initial Viscosity, Activator, cP	Kneadable Dough
Initial Mixed Viscosity, at 77°F, cP	Kneadable Dough
Hardness, Shore A	25 - 30
Working Time, min	3 - 4
Demold Time, min	15 -20
Tensile Strength, psi (ASTM D-638)	81
Elongation, %	530
Tear Resistance, pli	26

Values listed above are typical and not intended for use in specifications.

Proper Use and Safety

Read all instructions and safety data sheets prior to use. Consult safety data sheets for all recommended safety precautions.

Mixing & Curing

Mix 1 part by weight of base to 1 part by weight of activator, a visual estimation of proportions is usually sufficient. Wear clean gloves and apply a small about of petroleum jelly or mineral oil to hands before kneading together. Knead components together until color is uniform. Be careful not to mix more than can be applied in 4 minutes. Press material into desired surface, taking care to avoid air entrapment and allow to cure. Hot or cooler temperatures will affect cure and gel times. Heat from hair dryer can be used to accelerate cure. Requirements for cure are dependent on the application and should be determined by the user.

See Addition Cure Tech Sheet for additional information.

Inhibition

Certain materials will cause inhibition or neutralizing of the curing agent, including sulfur and organo-metallic salt containing compounds (found in organic rubbers), many condensation-cure RTV, chloride solvents and amines. Avoid using latex gloves, water-based clays and tin/condensation cured RTVs. Inhibition may easily be determined by brushing a small quantity of this material over the surface and allowing it to cure. If material remains tacky and gummy after the curing time, then the part's surface is acting as an inhibitor.

See Addition Cure Technical Data Sheet for inhibiting materials.

Storage and Shelf Life

Base and Activator must be stored in their original, tightly closed containers to protect from moisture and foreign materials. Storage area should be maintained at temperatures between 64-86°F. Shelf life of materials when kept in unopened, sealed containers, at the recommended storage conditions, is six months. Containers should not be opened until ready or use. Once opened, storage life can be extended with the use of purging gas, such as nitrogen.

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