

SiliThix - Silicone thixotropic thickening agent

Description

SiliThix is a silicone thixotropic additive used to increase the viscosity of both platinum-cure and condensation-cure silicone rubbers. It transforms pourable silicone into a brushable or trowelable paste, ideal for creating vertical or overhead molds, multi-layer brush-on molds, or reinforcing layers where drip-free application is required.

Technical specifications

Parameter	Value	Unit
Appearance	White, paste-like liquid	—
Compatibility	Platinum-cure and tin-cure silicones	—
Recommended dosage (platinum silicones)	0.5 – 3.0	% by weight
Recommended dosage (condensation silicones)	Up to 5.0	% by weight
Mixing method	Add after mixing silicone base + catalyst	—
Effect on pot life	Minimal	—
Effect on cure time	Minimal	—

Compatible silicones

- Platinum cure: Soft-0A & Soft-15A
- Platinum cure: Fast-20A & Fast Purple 20A
- Platinum cure: Medium 30A
- Platinum cure: Med-Firm 45A
- Tin cure: 20A
- Tin cure: 40A

Not compatible with ultra-soft silicones:

- Platinum cure: Ultra-soft 00-05
- Platinum cure: Ultra-soft 00-10

May be compatible with other silicone rubbers, but small-scale testing is strongly recommended.

Recommended usage guidelines

- Always mix silicone base and catalyst completely before adding SiliThix.
- Add SiliThix slowly while mixing to avoid clumps and ensure uniform texture.
- The more SiliThix added, the thicker the silicone becomes.
- Apply immediately after thickening (silicone will continue curing normally).

Mixing ratios for typical applications

Application	Recommended SiliThix	Unit
Light thickening (brushable)	0.5 – 1.0	% by weight
Medium thickness (gap-filling)	1.5 – 2.0	% by weight
Paste consistency (trowelable)	3.0 – 5.0	% by weight

Tips and tricks

- Wear gloves when mixing and applying silicone.
- Use disposable cups and sticks for small projects.
- Do not add SiliThix before the silicone is fully mixed (base + catalyst).
- For brush-on molds, apply multiple thin layers rather than one thick layer.
- Keep tools clean to avoid curing problems.



Platinum-cure silicones may be sensitive to cure inhibition. Avoid contact with sulfur-based clays, natural latex, neoprene, certain modeling clays, and solvents such as acetone or MEK.

