

## Silicone Adhesion Promoter

### SK-AP01

#### Product Features:

- Significantly enhances adhesion of addition-cure silicone to metals, glass, ceramics, and other inert substrates.
- Boron-based system provides strong thixotropy when added to fumed silica-reinforced silicone rubber.
- Contains reactive vinyl groups for improved bonding performance.

#### Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Colorless transparent liquid	Visual inspection
Kinematic viscosity (mm <sup>2</sup> /s @25°C)	5~50	GB/T 10247-2008
Refractive Index (25°C)	1.42~1.44	GB/T 6488
Vinyl content (wt%)	1.0~2.0	Sodium thiosulfate back-titration

#### Typical Applications:

- Silicone inks: Improves adhesion of silicone inks to substrates.
- Thixotropic sealants: Used in CIPG/FIPG one-part addition-cure adhesive sealants.
- Primer: Functions as a pre-treatment adhesion promoter.

#### Usage Guidelines:

- Compatible with any component in the formulation.
- Recommended dosage: 1–2% of total silicone weight.
- For optimal performance, cure at 100°C or higher (curing time varies by application).

#### Packaging & Storage:

- Packaging: 5 kg/bucket, 20 kg/carton.
- Storage: Store in a cool, dry, dark place at room temperature.
- Transport: Non-hazardous material.
- Shelf life: Best used within 6 months of production. Re-test if expired.

#### Safety & Environmental Notes:

- Wear appropriate protective gear when handling. Refer to the MSDS for details.
- Dispose of packaging in compliance with local solid waste regulations.

#### Notes:

- The information contained in this document is based on reliable data we have obtained. The content, product performance improvements, and product specifications may change without prior notice.
- The information provided in this document is based on our laboratory and practical experience and is for reference only. Since the conditions and methods of using this product are beyond our control, it is essential to conduct application tests and evaluations before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.