

## Silicone Adhesion Promoter

### SK-Z04

#### Product Features:

- **Enhanced Adhesion:** Improves bonding of addition-cure silicone to stainless steel, aluminum, PCBA, silver-plated surfaces, and other substrates.
- **High Reactivity:** Enables strong adhesion at low to medium temperatures.
- **Reactive Hydrogen Groups:** Contains functional "hydrogen" groups for crosslinking.

#### 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)	1.415~1.435	GB/T 6488
Hydrogen content (wt%)	0.25~0.35	HG/T 4804-2015

#### Typical Applications:

- **Silicone Inks:** Improves adhesion of silicone inks to substrates.
- **Electronic Potting Compounds:** Used in addition-cure thermal/flammable-resistant potting adhesives.
- **Sealants:** Ideal for CIPG/FIPG one-component addition-cure sealants.

#### Usage Guidelines:

- Add 1–2% (by total silicone weight) to the hydrogen-containing component.
- Recommended curing temperature:  $\geq 100^{\circ}\text{C}$  (time varies by application).

#### Packaging & Storage:

- **Packaging:** 5 kg/bucket, 20 kg/carton.
- **Storage:** Best stored at 0–8°C. Short-term room-temperature storage (<1 month) is acceptable.
- **Transport:** Non-hazardous; complies with standard chemical shipping regulations.
- **Shelf Life:** Optimal within 3 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.