

## Primer

### SK-PR921

#### Product Overview:

● SK-PR921 is a single-component silane and silicone resin-modified primer designed to enhance adhesion between addition-cure silicone rubber and substrates such as metal, PA (nylon), PC, PET, and PCBA. It forms a chemical bonding interface layer, significantly improving bond strength and weather resistance. Key features include a wide processing window and excellent hydrolysis stability.

#### Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Pale yellow transparent liquid	Visual inspection
Viscosity (S/25℃)	5~15	GB/T 1723-93
Active Content (%)	≥25	/
Specific Gravity (g/cm <sup>3</sup> )	0.83±0.05	GB/T 2013-2010

#### Typical Applications:

● Enhances adhesion between addition-cure silicone rubber and:Metals、PA (Nylon)、PC (Polycarbonate)、PET (Polyester)、PCBA (Printed Circuit Board Assemblies).

#### Application Instructions:

- Surface Preparation: Ensure substrates are clean and contaminant-free. Use acetone or isopropanol for cleaning if necessary.
- Drying:Air-dry at room temperature; OR accelerate drying at 80℃.
- Bonding Process: After cooling, apply silicone rubber and cure under heat & pressure.
- Vulcanization:Recommended temperature: ≥120℃; Curing time depends on product structure.

#### Packaging & Storage:

- Packaging: 20KG iron drums.
- Storage: Store in a cool, dry place at room temperature.
- Flammability: Contains solvents – transport according to regulations.
- Shelf Life: Best used within 3 months of production (re-test required 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.