



# EK-123 Ultra Flex Gap Sealant



### PRODUCT DESCRIPTION

EK-123 Ultra Flex Gap Sealant is a premium and highly elastic acrylic sealant, suitable for both external and internal sealing applications. It is formulated with enhanced UV resistance property and can withstand up to ±25% movement. It is paintable and formulated for sealing gaps and joints where high movements or vibrations are expected.

### APPLICATION

- General sealing applications: door and window joints, cabinet and wardrobe installation, skirting of wood flooring, etc.
- Suitable for various substrates: metal, PVC, wood, concrete, gypsum boards, reinforced cement boards, marble, etc.

### FEATURES

- ±25% Movement capability
- Exterior & Interior sealant applications
- Paintable
- Permanently flexible & easy clean up
- Waterproof upon curing

### TECHNICAL DATA AND SPECIFICATION

Curing System	Water evaporation
Appearance	Soft Paste
Base	Water-Based Acrylic
Specific Gravity	1.57 g/mL
Solid content	81 %
Ultimate Tensile Strength (ASTM D412)	1.0 N/mm <sup>2</sup>
Elongation at Break (ASTM D412)	400 %
Movement Capability (ASTM D719)	±25%

# Technical Data Sheet

Shore A Hardness (ASTM C661)	28
Tooling Time / Working Time (at 25 °C & 50% R.H.)	<15 minutes
Slump Test (ASTM D2202)	No slump
Stain Index (ASTM D2203)	No stain
Low VOC Compliance (SCAQMD Rule 1168)	Yes
VOC Content	25.90 g/L
Skin-Form Time	15 minutes
Application Temperature	5 °C to 50 °C
Service Temperature	-10 °C to 75 °C
Colour	White

### APPLICABLE TEST / STANDARD

- ASTM C920 & ASTM C719, Type S, Grade NS, Class 25, Use NT, M
- Low VOC - USEPA Method 24 and SCAQMD Method 304-91 under SCAQMD Rule 1168

### APPLICATION

- It is ideal for external & internal sealing applications. It is good for sealing of building joints that are subject to movement (door and window joints, cabinet and wardrobe installation, skirting of wood flooring, etc.). Suitable for various substrates (metal, PVC, wood, concrete, gypsum boards, reinforced cement boards, marble, etc.).

### PREPARATION

- Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
- For a neat finishing, use masking tape and remove it within the working time.
- For sealant designs with depth of over 10 mm, use approved backing materials.

### DIRECTIONS OF USE

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 15 minutes of extrusion before it skins.



## **EK-123 Ultra Flex Gap Sealant**

# **Technical Data Sheet**

6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

### **CLEAN UP**

- Wet sealants can be cleaned up with water.
- Cured sealants can only be removed mechanically.

### **LIMITATION**

- Applied outdoors if it is likely to be rained upon within 2 hours of application. Use in areas of constant water immersion.

### **SAFETY AND FIRST AID DIRECTIONS**

Contains a mixture of CMIT/MIT. May produce an allergic reaction. Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

### **STORAGE AND CONTENT**

- Store in a dry and cool place, below 30 °C. Use within 24 months from date of production. (Do not store below 5 °C)
- Cartridge – 450 g / cartridge (24 cartridges / carton)

### **DISCLAIMER**

Every endeavour has been made to ensure that the information given herein is true and reliable, but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.