

## SILICONE SEALANT CONSTRUCTION GRADE

### COMPANY INFORMATION

ALLGEMEINE BAU - CHEMIE PHIL., INC.

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### PRODUCT NAME

ABC CONSTRUCTION GRADE SILICONE SEALANT

### PRODUCT DESCRIPTION

ABC SILICONE SEALANT CONSTRUCTION GRADE is a room temperature vulcanizing (RTV) neutral cure sealant. It has superior high & low temperature resistance, water resistance and outstanding weatherability. With its outstanding adhesive strength, ABC SILICONE SEALANT CONSTRUCTION GRADE can be applied for a wide range of building materials such as concrete, metal, glass, PVC, plastic, wood and polycarbonates.

### THE ABC SILICONE SEALANT CONSTRUCTION GRADE ADVANTAGE

- ✓ 100% Silicone
- ✓ Non-corrosive
- ✓ Low Modulus
- ✓ Non-slumping
- ✓ Strong adhesion
- ✓ Low Shrinkage
- ✓ Odorless
- ✓ Waterproof
- ✓ Air tight
- ✓ UV & Weather Resistant
- ✓ Permanently Elastic
- ✓ Superior High & Low Temperature Resistance



### COLORS

■ Clear ■ White ■ Light Gray ■ Gray ■ Silver ■ Black ■ Brown

### CLASSIFICATION STANDARD

- ✓ JIS A 1439 (JP) Japan International Standards
- ✓ JIS K 6249 (JP) Japan International Standards
- ✓ ASTM C 749 (USA) American Standards of Testing Materials.

### TECHNICAL DATA

#### TYPICAL UNCURED PROPERTIES

PROPERTIES	RESULTS
Consistency	Paste
Slump (w=20mm) <sup>1</sup> mm	0
Tack - free time (23°C) <sup>1</sup> min	6
Curing time (t=5mm, 20°C/55%RH) days	2

#### TYPICAL CURED PROPERTIES

PROPERTIES	RESULTS
Appearance	Elastic rubber
Hardness (Type A) <sup>2</sup>	27
Tensile Strength <sup>2</sup> MPa	1.8
Elongation <sup>2</sup> %	350
Peel Strength <sup>3</sup> % kN/m	2.9
UV resistance <sup>3</sup>	Excellent

Test Method \*1: JIS A 1439 \*2: JIS K 6249 \*3: ASTM C 794  
Typical property data values should not be used as specifications.

### SURFACE PREPARATION

The surface must be thoroughly cleaned with a suitable solvent such as alcohol, xylene, or methyl ethyl ketone (MEK). Make sure the surface is dry, clean and free from contaminants such as dirt, dust, loose material, oils & chemicals. For polycarbonate and acrylic resin, n-hexane should be used in order to prevent solvent-cracking.

**TIP:** Use masking tape for best result and a perfectly straight application line. Apply the tape protecting both sides of the gap to be sealed. Remove the tape before the sealant is dry.



### APPLICATION GUIDE

#### 1. Application

a. Use a standard caulking gun to dispense the sealant. Tool immediately, within 5 minutes of application, with a spatula to spread the sealant against the back-up material and joint surfaces. Sealant will begin to skin on the exposed surface in about 10 minutes and cure will progress inward.

*Note: The use of a caulking gun ensures even distribution for a professional finish.*

**TIP:** Hold the sealant gun at an angle of 45° while pulling the gun towards yourself. Find the right working speed to properly fill the necessary gaps.

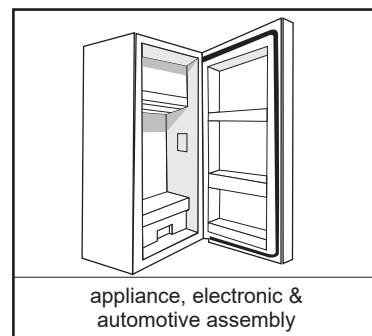
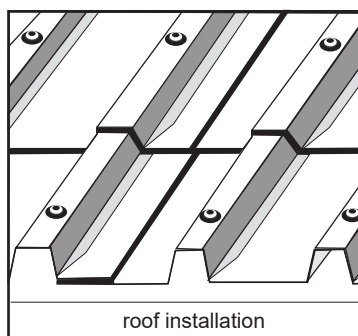
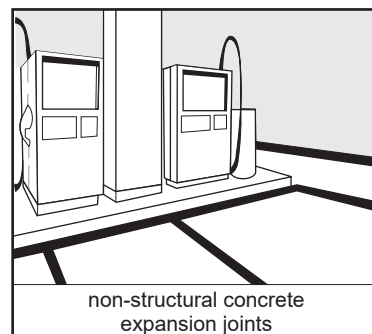
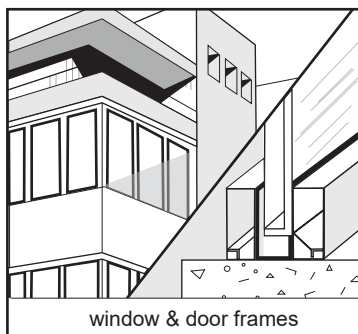
b. For areas with deep surfaces: Ensure the sealant is in contact with both sides of joints and gaps. Use foam backer rods to establish good bonding at the sides and to control the depth of the sealant.

#### 2. Finishing

Wet your finger with soapy water to smoothen out the silicone sealant seam. The soap prevents the sealant from sticking to your finger. Remove any excess sealant from surface with knife or spatula. Depending on humidity & temperature, applied sealant is touch dry after approx. 30 minutes.

*Note: Protect from water exposure for at least 4 hours after application.*

### APPLICATION AREAS



### PACKAGING

300ml plastic cartridge

### STORAGE & SHELF LIFE

When stored in a cool dry place & in its original unopened packaging, ABC Silicone Sealant Construction Grade will remain usable one year from date of manufacture.

### WARRANTY

Due to variety of applications, different working methods and the various properties of bases, we cannot assume responsibility or liability with regard to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case are valid.

