

# SILICONE SEALANT CONSTRUCTION GRADE

## MANUFACTURER

ALLGEMEINE BAU - CHEMIE PHIL., INC.  
 Address: 10th Floor Asian Star Building, 2404 Asean Drive,  
 Filinvest Corporate City, Alabang, Muntinlupa City 1781 Philippines  
 Tel: (+63 2) 8426891 ■ Fax: (+63 2) 8427146 ■ info@abc.ph ■ www.abc.ph

## PRODUCT NAME

ABC CONSTRUCTION GRADE SILICONE SEALANT

## PRODUCT DESCRIPTION

ABC SILICONE SEALANT CONSTRUCTION GRADE is a room temperature vulcanizing (RTV) neutral (oxime) cure with low modulus properties. It is made of 100% silicone. It has outstanding adhesive strength as well as universal applicability for a wide range of building materials such as concrete, metal, glass, PVC, plastic, wood and polycarbonates. ABC SILICONE SEALANT CONSTRUCTION GRADE can be applied in sealing concrete expansion and connecting joints, perimeter sealing of window and door frames, sealing of tek screws, gutters and overlaps of roofs, and in assembly of appliances and automobiles. Installation of glass to all types of metal.

## 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



## COLORS

Clear, White & Light Gray

## CLASSIFICATION STANDARD

- ✓ DIN 18545 (D) German Institute for Standardization
- ✓ TT-S-00-1543A (USA) American National Standards Institute
- ✓ ISO 8690 (UK) International Organization for Standardization
- ✓ BS 5889 (GB) Base Station Conformance Testing

## TECHNICAL DATA

### Uncured

Density at 23°C Consistency	DIN 53479-B	g/cm <sup>3</sup>	1.02
	DIN 52454-profile B	non-slump	
Skin-forming time at 23°C 50% relative humidity		min.	5 - 15
Vulcanization rate (curing) at 23°C 50% relative humidity		mm/d	1.0-2.0
Shrinkage during vulcanization	DIN 52451	%	5.5

The following data is intended as guideline and not for preparing specifications.

### Cured

Tensile Strength	DIN 53504, rod S 3 A	N/mm <sup>2</sup>	1.30
	DIN 52455, part 1	N/mm <sup>2</sup>	1.30
Elongation at break	DIN 53504, rod S 3 A	N/mm <sup>2</sup>	400
	DIN 52455, part 1	N/mm <sup>2</sup>	250
Modulus of Elongation at 100% elongation	DIN 53504, rod S 3 A1	N/mm <sup>2</sup>	0.35
	DIN 52455, part 1	N/mm <sup>2</sup>	0.35
Tear resistance	ASTM D 624, rod B	N/mm <sup>2</sup>	4.0
Hardness	DIN 53505, Shore A		20
Recovery (100% elongation for 24 hours)	DIN 52458	%	95
Temperature resistance		°C	-50 to +100

Specimen measured after 4 weeks storage at 23°C/50% relative humidity.

## SURFACE PREPARATION

The surface must be fully cured & structurally stable. Make sure the surface is dry, clean and free from contaminants such as dirt, dust, loose material, oils and chemicals.

**TIP:** For cleanest possible result and a perfectly straight line sealant application, especially in hard-to-reach places, use masking tape. Apply the tape covering both sides of the line to be sealed, and then remove the tape before the sealant is dry.

## APPLICATION GUIDE

### 1. Application

a. Use a standard caulking gun to dispense the sealant.

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

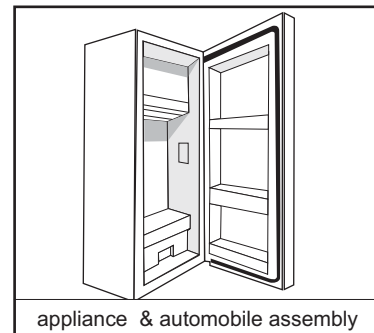
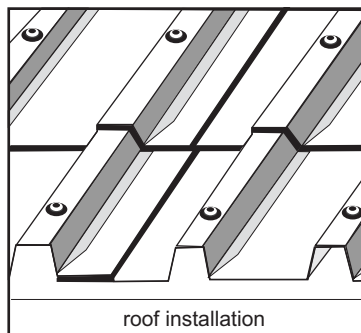
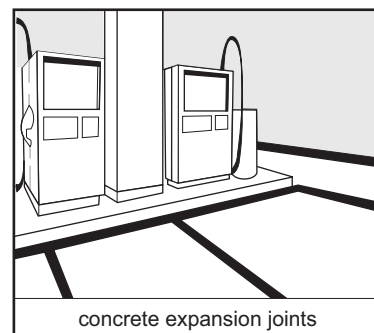
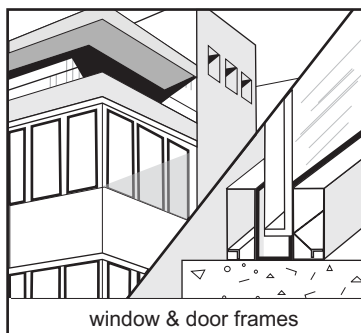
**TIP:** Hold the sealant gun at an angle of 45° while pulling the gun towards yourself. Find the right working speed to properly fill the necessary gaps.

b. 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

Remove excess sealant and tool with flat knife. Depending on humidity & temperature, applied sealant is touch dry after 30 minutes. *Note: Protect from water exposure for at least 4 hours after application.*

## APPLICATION AREAS



## PACKAGING

300ml cartridge

## STORAGE & SHELF LIFE

Store in a cool dry place. 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.

