

# W-Seal

## Neutral Cure Silicone Weather Seal



### W-Seal

This product is a one-part neutral curing, low modulus silicone alkoxy sealant specially formulated for the weather sealing of all types of windows (PVC, wood, aluminum).

It offers durable adhesion to most porous and non-porous substrates including masonry, brick, aluminum, metals, PVC, polyacrylate, polycarbonate, impregnated, varnished or painted wood, glass and glazed surfaces. It is mold and mildew resistant.

### Key Features

- Excellent durability
- Low modulus
- High elasticity
- Low odor
- Good unprimed adhesion to a variety of substrates

### Key Applications

- Glazing
- Construction
- Joint sealing
- Assembly

### Limitations:

W-Seal is not recommended on bituminous substrates, substrates based on natural rubber, chloroprene or EPDM or on building materials which might bleed oils, plasticizers or solvents.

Do not use in totally confined spaces because the sealant requires atmospheric moisture to cure. It is not recommended for structural glazing applications. It is neither suitable for food contact applications, nor for medical use. It is not suitable for aquariums.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### Cautions:

Uncured product may irritate eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well ventilated places. Keep out of reach of children.

## ADHESIVES • DETERGENTS • COATINGS



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CERTIFIED MANAGEMENT SYSTEM



Made in Kuwait



# W-SEAL

Neutral cure, Low modulus, High elasticity and Low odor  
Good unprimed adhesion to a variety of substrates  
resistant to ozone and ultra-violet radiation

## Application Instructions:

Application surfaces should be clean, dry sound and free from all contaminants such as dust, rust, grease etc.  
Cut the nozzle at an angle and apply the sealant with a hand or air operated cartridge gun. Using a round edged spatula (or similar tool) spread the sealant against all surfaces.  
For full details of substrate compatibility, adhesion and primer recommendations, consult your authorized Al-Bahar Distributor or Al-Bahar Technical Services Department directly.

## Packaging and Storage:

W-Seal is available in 310 ml. plastic cartridges. Shelf life is 12 months from date of manufacture. Store in cool (below 25° C.), dry condition  
(Check "Use before date")

## Specifications:

Property	Unit	Value
Cure system		Alcoxy
Standards colors		White, Black & Gray
Application temperature	°C	+5 to + 40
	°F	+41 to +104
Specific gravity	g/ml	1.50
Extrusion	g/minutes	210
Penetration	mm/30s	
Skin-over time ( 23°C or 73 4°F, 50% R H )	minutes	15
Cure rate (23°C or 73.4°F, 50% R.H.)		
1 day	mm	2
<b>2mm thickness S2 dumbbells (ASTM D412)</b>		
- E-Modulus 100%	MPa	0.45
- Tensile strength	MPa	1.8
- Elongation at break	%	700
Hardness (Shore A)		30
Service temperature range	°C	-45 to +220



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