

SMART Range SILICONE	S736 SILICONE GLAZING	S731 SILICONE PREMIUM	S301 SILICONE CLASSIC	S766 KITCHEN & BATHROOM SILICONE PREMIUM	S546 KITCHEN & BATHROOM SILICONE CLASSIC	S548 GLASS 'N' SEAL WEATHER- SEAL	S551 ROOF 'N' SEAL GUTTER SILICONE
	CONSTRUCTION & FACADE		SANITARY		GLAZING	ROOFING	
Internal wet areas (ceramic, porcelain, glazed, metal etc.)		●		●	●		
External balcony & deck joints (ceramic tile, porcelain tile, concrete)	●			●	●	●	●
Exposed roof areas (metal, concrete, brick, stainless steel etc.)	●			●	●	●	●
Waterproofing substrates (cement, Acrylic, torch-on, PVC) non-paintable	●			●			
Metal roof & gutters	●			●	●		●
Roof tiles (clay, teracotta, metal)	●			●	●		●
Water tank seal (concrete, fiberglass, stone, steel, plastic)	●			●			
Bathroom, kitchen, shower etc.		●		●	●		
Swimming pools & pool deck seal	●	●		●			
Water features & ponds seal (steel, glass, stone, resin)	●			●	●	●	●
Planter boxes (metal, concrete, ceramic, wooden etc.)	●			●	●	●	●
Environmental deck seal (wood, concrete)	●			●	●		●
Floor topping joint (non-paintable)	●					●	
Canopy (concrete, metal sheet etc.)	●			●	●		●
Glass façade joints (medium to high end)	●	●		●		●	
Glass, painted wood, ceramic, & enamelled	●	●	●	●	●	●	●
Curtain wall weather seal (medium to high end)	●					●	
Window & door seal (glass, uPVC)	●	●	●	●	●	●	●
Window & door seal (wood, steel, Alu)	●			●	●	●	●
Sunlight, sun roof (steel, glass, Alu, fiberglass)	●					●	
Non-trafficable roof (brick, shingles, stainless steel, metal)	●			●	●		●
Roof garden & inverted roof seal (concrete, wood, ballast etc.)	●			●	●		●
Plumbing roofing, metal, water works	●			●	●		●
Downpipes, metal & PVC flues	●			●	●		●
Pipe or sprinkler systems, AC ducting	●			●	●		●
Sheet fabrication (metal, iron, Alu, PVC)	●			●	●		●
Aluminum plate, Alu-plastic plate joints	●			●	●		●
Structural glazing as weather seal	●						
PMMA / PC substrates	●						
Concrete, cement based screed & selected timber/ wooden substrates (non-paintable)	●					●	
Fibrous cement sheet/FCB seal	●			●	●		●
Large format tile joint	●	●		●			
Granite, sandstone & marble joint	●			●			
GRC, fibreglass & common panel joint	●			●	●	●	●
Sealing cracks in concrete, plasterboard, FCB (non-paintable)	●			●	●	●	●



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SMART Range SILICONE Guide


A COMPREHENSIVE SILICONE RANGE FOR CONSTRUCTION
AND DECORATION PROFESSIONALS

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Adhesive solutions by **ARKEMA**
INNOVATIVE CHEMISTRY

The route to a perfect joint

Silicone sealants are construction sealants with excellent resistance to water, weathering and ageing. Used to seal all types of construction joints. Silicone sealants cure by absorbing moisture from the air to form a silicone rubber seal capable of extreme movement (±25% or more).

Despite the fact that each sealant technology has its specific characteristics making it ideal for certain applications, silicone sealants are still the most popular. By far, the most important difference between silicone and other types of sealant is their excellent resistance to UV and water. Silicone sealants are also almost completely unaffected by temperature. Silicone sealants can withstand temperature fluctuations from -40°C to +180°C without any problems.

Silicone sealants are widely used in construction applications. Examples include glazing, facade, sanitary facilities, roof and gutter facilities. It can also be used where fire or heat resistance is required when sealing joints. Consequently, correctly applied silicone sealant can be considered the most durable seal for many joints.

Advantages in general

- Excellent elongation & movement capability
- Excellent recovery
- Extreme resistance to weathering (including UV) and ageing
- Easily applied at wide temperature range
- Good to excellent adhesion
- Stable shelf life

Silicone sealants come in so called acetoxycuring systems as well as neutral curing systems.

Acetoxycuring advantages

- Applicable to substrates such as glass, painted wood, enamel and ceramics
- Fast curing and skin formation
- Non-discolouring
- High temperature resistance
- Excellent UV resistance
- Long shelf life

Neutral curing advantages

- Excellent adhesion to wide range of substrates
- Fast curing
- High temperature resistance
- Excellent UV resistance
- Non-corrosive
- No strong odour

	CONSTRUCTION & FACADE		SANITARY		GLAZING		ROOFING
SMART RANGE	Bostik S736 SILICONE GLAZING	Bostik S731 SILICONE PREMIUM	Bostik S301 SILICONE CLASSIC	Bostik S766 KITCHEN & BATHROOM SILICONE PREMIUM	Bostik S546 KITCHEN & BATHROOM SILICONE CLASSIC	Bostik S548 GLASS 'N' SEAL WEATHERSEAL	Bostik S551 ROOF 'N' SEAL GUTTER SILICONE
	A high quality and high performance architectural grade 100% pure silicone sealant for structural glazing*, façade, construction and dilatation joints.	An acetoxycuring silicone sealant which cures by reacting to moisture to form a durable elastic rubber.	A versatile acetoxycuring silicone sealant for expansion and construction joints which cures by reacting to moisture to form a durable elastic rubber seal.	A versatile neutral curing silicone sealant for sanitary joints, which cures under influence of humidity to form a durable elastic rubber.	A versatile neutral curing silicone sealant for sanitary and kitchen applications which cures by reacting to moisture to form a durable elastic rubber seal.	Neutral curing, high modulus, ready-to-use silicone elastomer which is highly suitable for weatherseal and glazing applications. It is moisture curing sealant that yields permanently flexible and strong seal.	Single component, low modulus, neutral curing silicone that provides excellent adhesion to many common substrates especially all roofing and gutter substrates.
CHARACTERISTICS	<ul style="list-style-type: none"> • 100% Neutral curing silicone • Almost odourless • Excellent movement capability • Perfect adhesion without primer on most substrates • UV, water and weather resistant • Non corrosive towards metals 	<ul style="list-style-type: none"> • Excellent resistance to UV, water and weather • Perfect adhesion to glass, painted wood, ceramic and enamelled • Excellent toolability • Excellent adhesion • Highly mould resistant • Colourfast • Fast skin formation 	<ul style="list-style-type: none"> • Excellent resistance to UV, water and weather • Perfect adhesion to glass, painted wood, ceramic and enamelled • Permanently elastic • Colourfast 	<ul style="list-style-type: none"> • 100% Pure neutral curing, almost odourless • Excellent resistance to UV, water and weather • Perfect adhesion to most common building substrates • Highly mould resistant • Non corrosive towards metals • Wide adhesion spectrum 	<ul style="list-style-type: none"> • UV, water and weather resistance • Neutral curing • Wide adhesion spectrum • Permanently elastic • Mould resistance 	<ul style="list-style-type: none"> • Easy to dispense and apply • Non-sag at vertical application • UV and weather resistance • Good adhesion performance on glass, ceramic, steel, aluminium etc. • Neutral cure, non-corrosive to metallic surfaces 	<ul style="list-style-type: none"> • Well adhering to all roof & gutter and other general construction substrates • Non-discoloring & non-fading even prolonged exposure to UV and weather • Permanently elastic • Neutral cure, non-corrosive to metallic surfaces
WHERE TO APPLY	 CURTAIN WALL WS  BUILDING ROOF  EXTERIOR WALL  CONCRETE  PLASTICS (PMMA/PC)  METAL  CONSTRUCTION & INDUSTRIAL APPLICATION	 GLASS TO GLASS  PAINTED WOOD  CERAMIC  ENAMELLED  CURTAIN WALL WS  CONNECTION JOINT	 SEALING  INTERIOR JOINT* <small>* (except for cement-based & metallic surface)</small>	 HIGH END SANITARY JOINT  EXPENSIVE BATHROOM  LUXURIOUS KITCHEN  HOTEL SHOWER  GENERAL K&B APPLICATION	 SANITARY JOINTS  KITCHEN TOP  BATHROOMS TOP	 WINDOW & DOOR SEALING  WEATHER SEAL GLASS  CONNECTION JOINT  OUTDOOR & INDOOR SEALING  WEATHERPROOF FOR ALU/PLASTIC PLATE  EXPANSION JOINT	 SUNLIGHT/SUNROOF SEALING  GLASS TO GLASS JOINT  METAL FLUES AND EXTRACTION UNITS  DOWNPIPES  PIPE/SPRINKLER SYSTEM
COLOUR	 CLEAR  BLACK	 WHITE  GREY	 CLEAR	 WHITE	 BLACK	 CLEAR  BLACK  WHITE  GREY	 CLEAR  WHITE
PACKAGING	 260 ml CARTRIDGE  25 pcs BOX	 280 ml CARTRIDGE  12 pcs BOX			 260 ml CARTRIDGE  25 pcs BOX		