

# Forcon-D MS 168

## Modified Silicone Sealant



### Technical Data Sheet

**Description:**

**Forcon-D MS 168** is a one component construction sealant and adhesive which it is free from solvents, isocyanate, and other hazardous raw materials after application the sealant cures with atmospheric to form a durable rubber seal. It has been formulated to offer outstanding adhesion to most common building materials, and be used in most sealing, glazing and joint filler applications. It also has been designed to be better durable in weather, paintable, and also resists the growth of mould and mildew where conditions of high humidity and temperature exist. It is suitable for use in weather sealing all metal and masonry residential building components as used in roofing, guttering, wall cladding, metal windows frames, skylights. It is ideal for applications such as bathrooms, sanitary. Adhere and seal to porous and non-porous surfaces including steel, aluminum, glass, masonry, fiberglass, non-oily wood, painted, many plastic surfaces, and also for use with zinc-coated and galvanized metal building products. It is unaffected by high and low temperature and its superior physical properties are retained after many years exposure.

**Key Performance Properties :**

- Adhere to a wide range of building materials and finishes.
- Excellent resistance to weathering, vibration, moisture, ozone, temperature extreme, airborne pollutants, cleaning detergents and many solvents.
- Low VOC emission, paintable, and solvent & isocyanate free.

**Typical Properties:**

SAG/SLUMP @ 50 °C .....	None
HARDNESS (ASTM D2440).....	20- 30 Shore A
TENSILE STRENGTH (Mpa) (ASTM D412).....	0.48-0.55
ELONGATION (ASTM S412) .....	530-630%
TACK FREE TIME (CTM 0095) .....	18-27 min.
CURE TIME 3.5 mm @ 25°C & 50% RH .....	24 hrs..
OPERATING TEMPERATURE RANGE.....	-30 to + 80 oC
JOINT MOVEMENT CAPABILITY .....	± 25%
SPECIFIC GRAVITY @ 25°C .....	1.5



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### Applications:

Forcon-D MS 168 has excellent adhesion to Glass, Aluminum, Concrete, Porcelain, Copper, Granite, Ceramics, Steel, Marble, Painted, Stainless, most plastic, Vinyl, UPVC, Fiberglass, Galvanized and Finished Woods.

It can be used for :

- Standard and Butt glazing of frames panels and shop fronts.
- Sealing environmental and refrigerated rooms, refrigerated showcase, refrigerated truck, bathrooms, metal sheet, skylights, ventilator system and air-conditioning units.
- Weather proofing etc.

### Limitation:

Forcon-D MS 168 is not recommended for use :

- For structuring glazing.
- On submerged joint where porous substrates permit water to the bond interface.
- Cannot be applied on materials that bleed oils, plasticizers or solvents such as impregnated wood or oil-base caulks, or release by-products that may inhibit its cure, affect adhesion or discolor the sealant.
- Not recommended for use in close or confined area where sealant cure may be inhibited.

### Priming :

Forcon-D MS 168 has superior adhesion characteristics to many common construction materials. However some material such as concrete, galvanized steel, plastic and other materials with variable surface characteristics require priming. Trial applications should be made to check adhesion to the specific materials to be used on the projects.

### Storage And Shelf Life :

Store in original unopened container in cool, dry place below +25°C. Use within 12 months from date of manufacturing.

### Packaging :

Supplied in 600ml standard plastic foil film which fit ordinary barrel guns.

### Standard Color:

White, Light Grey

### Packing :

12 Cart/Box

