

Junbond® JB-Mid-BF Neutral Silicone Sealant

TDS n° 073436 2021–Oct/2021

Overview Junbond® JB-Mid-BF is a one-component, neutral-curing, ready-to-use silicone elastomer. It is suitable for weather-resistant sealing and bonding. It can be quickly cured with moisture in the air at room temperature to form a flexible and strong seal.

Application

- Junbond® JB-Mid-BF is used for interface sealing of windows and doors, glass, concrete and other materials with anti-pollution requirements;
- Weatherproof seal for marble curtain wall and granite curtain wall engineering;
- Sealing of cement precast works;
- Ceramic engineering adhesive sealant.

Advantage

- Junbond® JB-Mid-BF is single component and easy to construct;
- Neutral curing, non-corrosive to most substrates;
- No pollution to marble, granite, cement board and other substrates;
- Excellent weather resistance, good adhesion to most building materials.

Typical physical properties

No	Test Item	Unit	Actual results
1	<i>Appearance</i>	-	Smooth, no air bubbles, no lumps
2	<i>Tack free time(at what % humidity)</i>	min	5
3	<i>Slump</i>	Vertical	0
		Horizontal	Not deformed
4	<i>Extrusion</i>	ml/min	985
5	<i>Shore A hardness /72h</i>	-	25
6	<i>Shrinkage</i>	%	/
7	<i>Effect of heat aging on</i>	-	
	- Weight loss	%	13%
	- Cracking	-	No
	- Chalking	-	No
8	<i>Tensile adhesion</i>	Mpa	
	- Standard condition		0.45
	- Immersion in water		/
	- Dry at 100°C		/
9	<i>Elongation at break</i>	%	180
10	<i>Specific gravity</i>	g/cm3	0.99
11	<i>Completely dry</i>	hours	21
12	<i>Temperature Resistance</i>	°C	-50°C~150°C
13	<i>Application Temperature</i>	°C	4°C~40°C
14	<i>Color</i>		transparent

JB-Mid-BF silicone sealant

Junbond[®]

Instructions

Seam size :

Displacement of the sealant and local regulations must be considered. Unless otherwise required, the ratio of seam width to depth is generally 2: 1.

Surface treatment:

All surfaces to be bonded must be clean, dry and free of dust, oil, grease, old sealants and other traces of contaminants that may affect adhesion. The surface should be cleaned with the "two rags" method. First remove the oil with a cloth soaked with solvent, and then wipe it with a clean cloth. Dust is removed by oil-free compressed air.

Primer:

For most substrates, **Junbond**[®] **JB-Mid-BF** does not require a primer. Test on the surface in question before deciding whether a primer is needed.

Operation:

In order to obtain good performance, it is important that the sealant only adheres to both sides of the substrate. To achieve this, a backing material (closed-cell polyethylene or open-cell polyurethane foam) is required. Use continuous sizing equipment to ensure that there are no air bubbles or voids in the seams. Before skinning, use a spatula to lightly squeeze and trim the sealant to fill the joint surface. Remove excess uncured sealant with a dry cloth or a cloth moistened with a solvent. The cured sealant can only be scraped off with a spatula (ie blade), or it can be removed with a special silicone remover.

Use restrictions:

- **Junbond**[®] **JB-Mid-BF** cannot be used for structural assembly;
- **Junbond**[®] **JB-Mid-BF** not suitable for frosty or wet surfaces, or in airtight places;
- **Junbond**[®] **JB-Mid-BF** should not be used on the surface of all materials that can exudate grease, plasticizers or solvents;
- **Junbond**[®] **JB-Mid-BF** cannot be used for materials that react with the ketoxime released during curing. For example: copper and its alloys
- **Junbond**[®] **JB-Mid-BF** When the surface temperature of the material is lower than -4 ° C or exceeds 40 ° C, it is not suitable for construction.

Package carton.

The packaging of **Junbond**[®] **JB-Mid-BF** is 300ml * 24 cartridges / carton ; 590ml * 20 sausage /

Shelf life

Stored in a cool, dry environment below 27 ° C, the standard shelf life of **Junbond**[®] **JB-Mid-BF** is 12 months from the date of manufacture. Please refer to the storage recommendations and dates on the packaging. Twelve months after this date, the product will no longer be guaranteed to meet sales targets.

Safety

Refer to **Junbond**[®] **JB-Mid-BF** Safety Data Sheet.