

# TECHNICAL DATA SHEET

## SEAL & BOND



### Adhesive Sealant

Promast Seal&Bond is a single component polyurethane adhesive sealant with high mechanical and chemical resistance, tensile, tear and abrasion resistance. Suitable for use in horizontal and vertical joints. Preserve its elastic form and curing with air humidity.

### TECHNICAL DATA

■ Density	1.30 ± 0,05 gr/cm <sup>3</sup>
■ Hardness	50-55 Shore A
■ Working temperature	+5°C/+30°C
■ Elongation	> 500
■ Tensile strength	> 2,5 N/mm <sup>2</sup>
■ Touch time	30-35 Minute
■ Adhesion to concrete	2 MPa
■ Max. joint range	4 cm
■ Flash point	> 60°C
■ Shelf life	12 Month
■ Movement Accommodation Factor	25 %
■ Hardening time	24 Hour
	(For 2mm-3mm thick)

### APPLICATIONS AREAS

- In the automotive industry.
- Roof and gutter, concrete joints.
- In metal building construction.
- In vertical and horizontal expansion joint applications.
- Concrete and masonry control joints.
- Aluminum curtain wall and showcases.
- Door and window frame surrounds Window and Door Perimeter.
- In sealing and bonding applications in the manufacturing and construction industries.
- Sealing applications including concrete floor joints.
- Adhesive applications of window sills, sills, steps, panels, prefabricated elements.
- It is used as a multi-purpose adhesive for bonding indoors and outdoors.

### SPECIFICATIONS

- Resistant to chemicals.
- Does not contain toxic substances after curing.
- Excellent adhesion.
- Suitable for outdoor applications and UV resistant.
- Paintable.
- Resistant to different weather conditions. (-30°C/+90°C)
- Create a smooth surface.

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### SAFETY INFORMATION

Users should refer to the latest Material Safety Data Sheets, including physical, ecological, toxicological, and other safety-related data for information or advice on the safe transport, storage, disposal of chemical products.

### SURFACE PREPERATION

- Application surfaces should be dry and clean. Concrete and plaster residues should be mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damages and cracks must be repaired with products that are available.
- Concrete substrate conditions (standard):
- Hardness: R28 = 15MPa.
- Temperature: 5-35 °C.
- Relative humidity: <85 %.

### PRIMING

It adheres easily to many surfaces such as metal, wood, concrete, without the need to primer application.

### APPLICATION METHOD

- Promast Seal&Bond is applied with a sausage gun.
- The applied material should be protected against water and rain, external factors and mechanical stresses until it cures.
- By using backing rod, the consumption of Promast Seal&Bond is prevented from sticking to the joints. The size of the backing rod must be bigger than 20% to 25% of the joint diameter.
- Joint width and depth should not be less than 5mm.
- For hand applications; place the sealant Promast Seal&Bond into the gun and inject the sealant into the joint without causing any air bubble.

### STORAGE AND SHELF LIFE

- It should be protected from water, frost and adverse weather conditions
- Store in a dry and cool environment (between +10°C / + 25°C)
- The date of manufacture and expiry is on the label.
- The shelf life is 12 months if the specified storage conditions are followed.

### CLEANING TOOLS

Cleaning of the tools should be done with soapy water before curing. After curing cleaning should be done with Thinner.

### PACKAGING (Volume)

600 ml sausage

### WARNINGS

It should not be applied in closed areas due to long-term solvent odor or the environment should be well ventilated.

- In cold weather, packaging must be kept at least 24 hours +15°C before application.
- There should be no water vapor pressure on the surfaces to be applied on. In such a case, special insulation should be applied before the application.
- After application, the surface should be protected from water, rain, dew, snow, hail and so on until it is fully dry.
- Total mechanical and chemical resistance is achieved in 7 days.

### PRECAUTIONS

- Contains solvent, flammable.
- Keep product away from contact with open flames and do not smoke during application.
- Work only in well-ventilated areas and in open areas. Keep in mind that solvent may smell indoor.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

### DECLARATION

The information contained herein and in particular the application and end-use recommendations are provided in good faith, based on our current knowledge and experience, when properly stored, prepared and applied. Products, application surfaces and application areas are quite diverse in practice. Therefore, when using our products, be sure to apply the correct product in the right conditions and in the right place, and strictly follow the information and instructions given by our company regarding commercial convenience and/or suitability for a particular purpose. Otherwise, our company is not responsible for damages that may occur. The user of the product (user) must test the suitability of the product for the application and purpose for which it intends to use the product. We reserve the right to change the specifications of our products. Property rights of third parties should be observed. Upon acceptance of all orders, our current terms of sale and shipping shall prevail. Users should always consider the latest edition of the Product Data Sheet (TDS), which we can obtain from our company or our website, by contacting our company for the relevant product.

### COLORS



White



Grey



Black

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### CONSUMPTION

Joint Width x Joint Depth (mm)	Consumption (m/600 ml sausage pact.)
5x5	24,0
10x10	6,0
12x10	5,0
15x10	3,9
20x10	3,0
40x15	0,9



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