

# OPTIMASTIC 805

## MONOPACK POLYURETHANE CONSTRUCTION SEALANT

### Product Description

**OPTIMASTIC 805** is a permanently elastic, mono component, gun grade polyurethane construction sealant. It cures under the influence of atmospheric moisture to form a low modulus sealant with excellent adhesive properties and resistance to aging and weathering.

### Features

- Permanently Elastic Over a wide range of temperature
- Non-sag consistency
- Non-sticky / does not pick up dirt
- Short cut-off string
- Easy to gun, can easily be smoothed and leveled out
- Over paintable with water & solvent based paints
- Good Resistance to aging, weathering & immersion in cleansing agents, sea water, lime water & dilute caustic solutions

### Application areas

- Used for sealing of expansion and construction joints in vertical & horizontal applications.
- Used for joints in precast elements.
- Used for weatherproofing of joints between brickwork, block-work, masonry, wood, concrete, metal frames
- Joints in walls, floors, balconies, window or door frames
- Joints in water channels & suitable for hydraulic general sealing with contact with water
- Retaining Walls
- Roofing

### Technical / Performance Data

Colors	White, Grey and Black
Appearance	Thixotropic Paste
Elongation	≥700 % ASTM D412
Chemical Nature	Polyurethane
Curing Mechanism	Moisture cured
Curing Through Volume[mm](1day @23°C)	2
Density	Black: 1.28 ± 0.02 g/cc Grey: 1.33 ± 0.02 g/cc White: 1.35 ± 0.02 g/cc
Tack Free Time[mm](23°C & 50% R.H)	120-140
Elastic Modulus at 100%	≥1.5 MPa
Movement Accommodation Factor	25% of total movement capacity
Application Temp	5 °C to 40 °C
Temperature Resistance	-40/± 90, a short period up 120

### Procedure & Guidelines

#### SURFACE PREPARATION

##### GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion of the sealant. Sweep or if necessary blow of water, rust, dirt oil, grease and of sound quality.

### Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information.

Product is for Professional use only.

### Storage / Packaging

*OPTIMASTIC 805 is available in;*

Cartridge 300 ml  
Sausage 600ml

*Note:*

*Shelf Life is One (1) year*

This product must be stored dry, protected from sun and rain. No waterproofing works should be performed if weather is unsuitable. These includes heavy rain and moisture.

### Product Limitations

Not recommended for use on areas where there is an evident negative hydrostatic pressure where there's water pressure.

### Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemicals Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.

**SEALBOND CHEMICAL INDUSTRIES INC.**  
A-2 Araneta St. Cor. Gen. Natividad St.  
Bgy. Ibayo, Tipas Taguig City, Philippines

PH: (632) 881-8813 • (632) 883-1477 • (632) 845-0205  
• (632) 843-4498 • (632) 845-0137

[www.sealbondchemicals.com](http://www.sealbondchemicals.com)

*Primers and Sealers*

MAY 2018

This technical data contained herein is true and accurate to the best of our knowledge on the date of publication and is subject to change without prior notice. User must contact Sealbond Chemical Industries Inc. to verify correctness before specifying or ordering. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited replacement of products. Sealbond Hi-Performance is registered trademark of Sealbond Chemical Industries Inc.

[www.sealbondchemicals.com](http://www.sealbondchemicals.com)