

POLYGUARD DETAIL SEALANT

Single Component Sealant

DESCRIPTION:

POLYGUARD DETAIL SEALANT is a single component, non-sagging, bitumen modified, polyurethane sealant that cures to a soft, flexible but tear resistant rubber. It is highly resilient and has excellent adhesion and recovery characteristics. Type II: Gun grade/Non sag.

BASIC USES:

Used to caulk around the polyethylene side of **POLYGUARD SHEET MEMBRANES** around penetrations and corners. **POLYGUARD DETAIL SEALANT** bonds to concrete, wood, primed metal and prepared polyethylene sheet surfaces.

POLYGUARD DETAIL SEALANT is available in black color only and is available in 30 oz. cartridges and 2 gallon pails.

INSTALLATION:

All surfaces to receive **POLYGUARD DETAIL SEALANT** must be clean. Aluminum, vinyl and polyethylene surfaces must be primed. Sandblasting is recommended on concrete surfaces. All curing compounds, old caulking, contaminants and waterproofing compounds, etc. must be removed.

Application is made by use of a caulking gun for cartridges or a bulk gun for use out of the pail. A trowel and putty knife may also be useful for installation. Installation above 45° F is required. Any primers must be allowed to fully cure prior to installation of **POLYGUARD DETAIL SEALANT**.

BENEFITS:

- Single component, moisture curing urethane sealant
- Excellent adhesion as well as elongation properties
- Compatible with polyethylene surfaced sheet membranes as well as other waterproofing components
- Zero VOC content

LIMITATIONS:

- **POLYGUARD DETAIL SEALANT** containers that have been opened must be used with one to two days since this is a moisture reactive product.
- Curing begins when the product is exposed to air.
- Primer may be required for best adhesion on some surfaces.

PRECAUTIONS:

Accessory items that may be used in proximity with this material may include **POLYGUARD 650 LT LIQUID ADHESIVE, CALIFORNIA SEALANT, SHUR-TAC, POLYGUARD PG-250** plus other **NON-POLYGUARD** chemicals like Xylene that will be used to clean details before this product is installed. The **LIQUID ADHESIVES** used with this product are industrial coatings and would be harmful or fatal if swallowed. It is marked as red label from the stand-point of flash point. Prohibit flames, sparks, welding and smoking during application. Refer to product label and Material Safety Data Sheets for handling, use and storage. Solvents could be irritating to the eyes. In case of contact with eyes, flush with water and contact physician.

Avoid prolonged contact with skin and breathing of vapor or spray mist from liquid adhesive. *If in confined areas, use adequate forced ventilation, fresh air masks, explosion proof equipment, and clean clothing. Avoid solvent contact with light bulbs or other high temperature surfaces. Close container after each use. Keep out of reach of children.*

Polyguard

This Information is based on our best knowledge, but POLYGUARD cannot guarantee the results to be obtained.

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Polyguard has been ISO 9001 certified since 1996. Current certifications are:
- American Nat. Standards Institute
- Dutch Council for Certification
- Deutscher Akkreditierungs Rat

This material is offered for sale by **POLYGUARD PRODUCTS, INC.**, only for the expressed purposes as described in this literature. Any use of the products described in this literature for purposes other than taught therein by **POLYGUARD PRODUCTS, INC.** shall be the responsibility of the purchaser and **POLYGUARD PRODUCT, INC.** does not warrant nor will be responsible for any misuse of these products. **POLYGUARD PRODUCTS, INC.** will replace F.O.B. Ennis, Texas, material not meeting our manufacturer's specifications one year from date of sale. **POLYGUARD** products as described herein are for industrial use only. The application procedures should be performed by workmen who are skilled in the application of materials described herein in accordance with manufacturer specifications.

SAFETY, STORAGE, AND HANDLING INFORMATION:

POLYGUARD DETAIL SEALANT vapors may be harmful. Do not thin. Combustible. Keep away from open flame and heat. Do not heat container or store at temperatures greater than 120 degrees F. Refer to product label for handling precautions.

MATERIAL SAFETY DATA:

All Material Safety Data Sheets and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Consult **POLYGUARD PRODUCTS, INC.'s** Material Safety Data Sheets and OSHA regulations for additional safety and health information for the products described herein. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product including waste disposal.

This is not a Material Safety Data Sheet and is not to be used as such. **POLYGUARD** has prepared separate Material Safety Data Sheets on each product.

WARRANTY:

POLYGUARD products are warranted to be free of defects in manufacture for five years. Material will be provided at no charge to replace any defective product.

TECHNICAL SERVICE AND AVAILABILITY:

Technical assistance, information and **POLYGUARD** products are available through a nationwide network of distributors and architectural representatives or contact **POLYGUARD PRODUCTS, INC.**

TECHNICAL DATA: POLYGUARD DETAIL SEALANT		
PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Consistency	Fed. Spec. TT-S-230c	Non-Sag
Tack free Time @ 77° F (25°C)	Fed. Spec. TT-S-230c	16-24 hrs.
Cure Time @ 77° F (25° C)	Observed	48-72 hrs.
Hardness (Shore A)	ASTM D-2240	35 +- 5
% Elongation	ASTM D-412	700%
Tensile Strength @ 77° F (25° C)	ASTM D 412	400 psi
Adhesion to Peel	Fed. Spec. YY-S 230c	15 pli
Shrinkage		Negligible
Weight Loss (Heat Aging)	Fed. Spec. TT-S-230c	0.83%
VOC Content	ASTM D 2369	0.0
Weight per Gallon		9.8 +-0.2 lbs.
Percent Solids	ASTM D 2369	
by weight		100%
by volume		100%
Moisture Vapor Transmission	ASTM E-96	
before decay		1.42 grains/hr./ft ²
before decay		1.56 grains/hr./ft ²
Resistance to Decay	ASTM D 154	No cracks, crazings, chalking no any other decay
Shelf Life		6 months when stored indoors in cool dry location @ 77°F (25° C) in unopened containers