

PS-33 CAULK

A HIGH PERFORMANCE, SINGLE COMPONENT, POLYURETHANE SEALANT DESIGNED TO WITHSTAND EXTREME WEATHER CONDITIONS

PS-33 is a high performance, single component, polyurethane sealant which may be used for a variety of general construction and roofing applications. PS-33 withstands extreme weather conditions and cures to a flexible weatherproof seal and bonds to most common building substrates including masonry, concrete, stone, ceramics, wood, steel, aluminum, asphalt, building paper, BUR, concrete, fiberglass and vinyl.

USES and ADVANTAGES

- Gun grade consistency.
- Withstands extreme weather conditions.
- Bonds to most common building substrates including masonry, concrete, stone, ceramics, wood, steel, aluminum, asphalt, building paper, BUR, concrete, fiberglass and vinyl.
- Moisture cure.
- Permanently flexible.
- Minimal shrinkage.
- Non-sag formula.
- Low odor and low VOC.
- VOC & CARB compliant.
- 30-year life expectancy.
- Primerless adhesion.
- Paintable, non-corrosive.
- Contains no TDI (toluene diisocyanate).
- Meets LEED and NAHB guidelines.
- Meets TT-S-00230C Type II Class A, ASTM C920-98 Type S
- Available in White, Gray and a variety of colors.

APPLICATION

Joint Design:

The width of the joint should be

a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width but not less than 1/4". In joints wider than 1/2", the depth should be maintained at 5/8". Lap shear joints should have a width of at least twice the anticipated movement.

Surface Preparation:

Joints to receive sealant must be sound, smooth, uniform in dimensions and free from defects and foreign material.

They must be clean, dry, free of frost and all contaminants such as curing compounds, sealers (waterproofing), coatings, etc.. Sealant adhesion should be tested on each different substrate prior to caulking. To test adhesion, apply a sealant bead and allow to cure thoroughly. Then pull one end of the bead to test adhesive strength.

Joint Backing:

Joint depth should not exceed 5/8". An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three point contact.

Service Temperature:

- 40 °F to 150 °F (- 40 °C to 66 °C)

Application Temperature:

- 40 °F to 150 °F (- 40 °C to 66 °C)

Application and Tooling:

Apply with conventional caulking equipment. Fill joints from the back to prevent voids and air pockets. If application temperature is below 40 °F (5 °C), precautions should be taken to ensure the substrates are completely dry and frost free. Immediately after application, tooling is recommended to ensure firm, full contact with the joint sides.

Cleaning

Remove material from gun and tools before it cures by scraping and/or the

use of solvents such as Xylol. Cured materials may be removed by cutting with sharp tools or sandpapering. Observe manufacturer's precautions when using flammable solvents.

COVERAGE

Theoretical Yield per Cartridge Per 10.1 oz. cartridge

<u>Joint Size</u>	<u>Linear Feet</u>
1/4" x 1/4".....	24.1
1/4" x 3/8".....	16.0
1/4" x 1/2".....	12.0
1/2" x 3/8".....	8.4
1/2" x 1/2".....	6.0
3/4" x 1/2".....	4.0

MAINTENANCE

If sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under "SURFACE PREPARATION" and recaulk.

LIMITATIONS

- Do not apply over damp or contaminated surfaces.
- Do not apply to absorptive surfaces such as marble, limestone or granite without prior testing for discoloration or staining.
- Unopened containers should be protected from heat, moisture and direct sunlight.
- Do not open containers until all preparatory work has been completed.
- Material in unopened containers is usable for up to 1 year when stored at 75 °F (25 °C).



60 REAR NEWHALL STREET

PHONE: 978-453-8881

LOWELL, MA. 01852

FAX: 978-453-2416

APPLICABLE STANDARDS

- ASTM C920, TYPE S, GRADE NS, CLASS 25, USE NT, A AND M.
- US Federal Specification TT-S 00230C (COMB-NBS) for one-component sealants as Class A, non-sag.
- Canadian Specification CAN/CGSB 19.13-M87.
- CARB and SCAQMD Compliant. Meets VOC Requirements for OTC Regulation.

TECHNICAL DATA

Tensile Strength

133 psi.....ASTM D 412

Elongation

685%.....ASTM D 412

Modulus of Elongation

65 psi.....ASTM D 412

Adhesion Peel

>5 piw.....ASTM C 794

Type A Hardness

42.....ASTM D 2240

UV Resistance

Pass.....ASTM C 793

WARNING!

Use only with adequate ventilation. Keep away from heat and flame. Do not take internally. Avoid eye and skin contact. **KEEP OUT OF REACH OF CHILDREN.** This product as supplied may be harmful or fatal if swallowed. If swallowed, **DO NOT** induce vomiting. Call a physician immediately. If contacted on eyes, flush thoroughly with clear water for at least 15 minutes. Call a physician immediately. If contacted on skin, wash thoroughly with soap and water. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

**USE ONLY WITH ADEQUATE VENTILATION.
KEEP OUT OF THE REACH OF CHILDREN.**

**For technical assistance call
978-453-8881**

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.

02-01-11

- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
- Traditional and Synthetic Stucco Systems
- Flooring Underlayments and Resurfacers