

PRODUCT DESCRIPTION

PUC 1000 is a ready-to-use, single component, gun-grade, non-sag, non-staining polyurethane joint sealant which cures to form a firm, flexible, tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation. Designed for sealing and caulking all joints that are subject to expansion and contraction.

CHARACTERISTICS

- Excellent weatherability
- Easy to Use
- Durable
- Flexible
- Tear-resistant
- Bonds to concrete, wood and metal

CAUTIONS & LIMITATIONS

- Use mechanical ventilation in confined areas.
- PUC 1000 is a moisture reactive material, containers that have been opened must be resealed and should be used within two days.
- May discolor from UV exposure and/or fluorescent light.

COLOR

Concrete gray or light gray

PACKAGING

Available in 10.5 oz. (0.3 L/tube) cartridges. Sold in 12 per case lots only.

MAINTENANCE

If PUC 1000 has been damaged and the joint is not contaminated, it can be repaired by cutting out the damaged section and resealing with a fresh application of PUC 1000.

JOINT DESIGN

PUC 1000 is suitable for all properly designed and prepared concrete control joints that follow accepted engineering practice.

SURFACE PREPARATION

All joints and surfaces must be completely clean and free of dirt, debris and contaminants. All curing compounds, old caulking, grease, waterproofing compounds, etc. must be removed. For non-porous surfaces such as glass, metal, etc. cleaning with Acetone is recommended. Polyethylene rod or polyurethane foam is recommended as a joint-filler and back-up material. Fillers treated with bituminous products, grease or oil should not be used. Where present, they must be removed or isolated with the use of vinyl tape or polyethylene film.

APPLICATION

Apply the material using a caulking gun, in a bead using consistent pressure. Press firmly into the joint to ensure a complete fill and good contact. Finish by tooling as necessary.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F above the dewpoint. PUC 1000 material is sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Low temperature and/or low humidity extend the cure time.

TECHNICAL DATA

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| Coverage Rate | 48-64 LFT (15-20 m)/10.5oz. tube (based on 3/16" bead) |
| Consistency | Non-sag (ASTM C920) |
| Shrinkage | Negligible |
| Hardness | 20-30 (ASTM D2240, Shore A) |
| Service Temperature | -40 to 180°F (-40 to 82.2°C) |
| Tack-Free Time | 16-24 hours (Federal Spec TT-S-230C) at 77°F (25°C), 50% RH |
| Extrudability | 2 seconds (ASTM C603) |
| Tensile Strength | 250 psi (ASTM D412) |
| Elongation | 500% (ASTM D412) |
| VOC | 30 g/L (ASTM D2369-98) |

FIRST AID

INHALATION

Remove the victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact a physician.

SKIN & EYE CONTACT

Wash with large amounts of water for 15 minutes. Contact a physician if irritation develops.

INGESTION

Give 1 or 2 glasses of water to drink. Contact physician if gastrointestinal symptoms develop. Never give anything by mouth to an unconscious person.

FIRE

Wear self-contained breathing apparatus with full face piece and protective clothing. Water contamination will produce carbon dioxide. Do not reseat contaminated containers as pressure build-up may rupture the container.

STORAGE & HANDLING

Store in sealed original containers, in a cool dry area above 60°F/15°C. Do not allow to freeze or store in direct sunlight or at temperatures above 90°F/32.2°C for prolonged periods. Do not expose this material to open flames, sparks, or other sources of ignition. Use proper grounding and bonding procedures during liquid transfer as described in National Fire Protection Association document NFPA77. Use mechanical ventilation in confined areas. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.

SHELF LIFE

The shelf life is one (1) year from the date of manufacture in the original, unopened container when the material is properly stored.

WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or www.parexmer-ko.com.

Product Data Sheet

PUC 1000

WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Material Safety Data Sheet (MSDS). The most current MSDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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