



ReddySeal™

High-Performance Multi-Purpose Neutral-Cure Silicone Sealant & Adhesive

Continental Products **ReddySeal™** is the high-performance multi-purpose sealant & adhesive that you've been waiting for. ReddySeal is a one-part, non-slump, moisture-curing RTV (room temperature vulcanizing) sealant & adhesive that cures to form a tough, high-modulus rubber with extreme long-term flexibility & unbelievable durability.

The neutral curing mechanism found in ReddySeal means that it doesn't have that unpleasant vinegar smell like traditional silicones. This makes it ideally suited for use in confined workspaces or in areas with limited ventilation. ReddySeal also features a unique non-slump formula & this means that you can apply it to vertical or horizontal joints without it sagging or flowing where you don't want it.

ReddySeal has excellent resistance to weathering including ozone, ultraviolet radiation, freeze-thaw conditions & airborne chemicals. Once fully cured, the wide heat stability range of ReddySeal is from -70°F to +400°F (57°C to +204°C) & the sealant can be applied to surface with temperatures from 0°F to +120°F (-18°C to +50°C).

Features & Benefits

- Non-flammable
- Superior adhesion to most common building materials
- Resists UV degradation & weathering
- Resists mold & mildew
- Adheres to porous surfaces
- Low-odor
- Will not corrode most metals
- Low compression set
- Excellent oil resistance
- Solvent & Isocyanate free making ReddySeal ASI 335 VOC compliant
- Useable across a very wide range of temperatures
- Once cured, ReddySeal withstands a wide range of high heat & extreme cold
- Tack-free in less than one hour

Meets Specifications

ASTM C920 Type S, Grade NS, Class 50, TT-S-00230C, TT-S-01543A, MIL-A46106A, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II); UL Recognized Component.

Packaging

- 10.3 FL OZ./300 mL cartridges

Colors

- Clear
- White
- Gray
- Black

Applications

ReddySeal is an excellent sealant & adhesive that can be used across a wide range of commercial, industrial, & construction applications where a long-term, permanently flexible, waterproof bond or seal is desired.

- General sealing & waterproofing
- Glass glazing
- Vinyl, aluminum, & metal siding
- Window & door weatherproofing
- Metal building & portable housing applications
- Formed in place gaskets
- Sealing & bonding porous substrates
- Engine components

Storage

ReddySeal should be stored in an environment that is not prone to wide fluctuations in temperature. Just like you, ReddySeal doesn't like to get too hot or too cold. If ReddySeal freezes it may be used once completely thawed. It's best to use ReddySeal within 18 months from date of manufacture stamped on the tube. For best results, keep material in tightly closed containers when not in use & re-seal any unused portions before storing for later use.

Properties

• Cure System	Neutral/Oxime	
• Movement Capability, %	+/-50%	ASTM C-719
• Modulus	Low	ASTM D-412
• Physical Properties (Cured)	Rubber	
• Specific Gravity	1.04	
• Extrusion Rate, g/min.	500	ASTM C-1183
• 1/8" orifice @ 50 psi		Modified
• Temperature Range	-62°F to 400°F	
• Intermittent Temperature Range	450°F	
• Accelerated Wathering (10,000 hrs.)	No Charge	QUV Weatherometer
• Skin Over Time (min)	12*	MNA Method
• Tack Over Time (min)	25*	ASTM C-679
• Cure Rate	1/8" per 30 hrs*	MNA Method
• Tensile Strength kv/mm (v/mil)	190	ASTM D-412
• Elongation %	650	ASTM D-412
• Durometer Shore A	15	ASTM C-661
• Dielectric Strength kv/mm (v/mil)	20 (500)	
• Dielectric Constant at 100 Hz	2.7 @ 96	
• Shelf Life (months)	18	
• Volatile Organic Content	40 gr./liter	

**All properties derived from lab conditions (77°F @ 50% relative humidity)*

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Directions for Use

It's very important that you read & understand the ReddySeal technical data sheet & application guide completely before using Continental Products ReddySeal. A copy of this document can also be found at www.continentalprod.com. Always test in an inconspicuous area first to become familiar with how ReddySeal behaves & to make sure you're satisfied with the overall results. If unsure about ReddySeal's compatibility with another product, please call Continental or your nearest Continental Products distributor before using.

DIRECTIONS

Continental ReddySeal is ready to use straight out of the tube & requires no mixing or additives. ReddySeal begins to cure as soon as it encounters the air. At environmental conditions of 77°F (25°C) & 50% relative humidity, a 1/8-inch bead of Reddy Seal will form a skin in as little as 10 minutes & fully cure in about 24 hours. ReddySeal reaches its maximum adhesion in about 7 days. If used in a very humid environment, ReddySeal will cure faster. If any tooling of ReddySeal is required, it should be done before skinning takes place.

SURFACE PREPARATION

Before applying ReddySeal to any surface, make sure that it's clean & dry. If additional surface preparation is necessary, wipe with a solvent like mineral spirits before application. Do not clean surfaces with alcohols or oil-containing solvents like Varsol as this will negatively impact the performance of ReddySeal. Priming for ReddySeal is not typically required for applications to nonporous surfaces. Unprimed adhesion can be tested by applying a small trial bead & allowing at least 7 days for maximum adhesion to occur.

JOINT DESIGN

May be used in any joint designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than 1/4 inch (6.4 mm) wide.

JOINT DIMENSIONS

For joints 1/4 inch (6.4 mm) to 1/2 inch (12.7 mm) wide, the width to depth ratio should be equal. Joints 1/2 inch (12.7mm) wide or greater should have a depth of 1/2 inch (12.7 mm). Minimum joint size 1/4 inch by 1/4 inch (6.4 mm by 6.4mm).

TOOLING & CLEANING

Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as IPA or MEK while sealant is in uncured state.

JOINT BACKING BOND BREAKING TAPE

Closed cell polyethylene backer rods are preferred as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three side adhesion. Joint backing must be dry at time of sealant application.

SAFETY PRECAUTIONS

On direct contact, uncured sealant may irritate eyes. Flush eyes well with water & call a physician. Avoid prolonged contact with skin.

Limited Warranty

Our recommendations for the use of this product are based on data believed to be reliable. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied is made. If product is shown to be defective due to material and workmanship, replacement of material up to the amount used or refund of the purchase price of the amount used will be made at the manufacturer's option with the proof of purchase. Unused and unopened portions of defective material will also be replaced or refunded. In no event shall the manufacturer be responsible for damages in excess of the purchase price. Product discoloration or breakdown caused by poor building design, inadequate surface preparation, improper or unusual environmental and substrate conditions, substrate-caused failures, long term or improper storage, or improper handling and application methods is not covered by this warranty. Additionally, this warranty does not cover ANY labor costs or indirect, direct, incidental, special or consequential damage or emotional distress incurred, including but not limited to repair and reapplication labor. This warranty gives you specific legal rights and you may also have other rights that vary from State to State. To make a claim under this warranty, contact your distributor or Continental Products, Ltd.

