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	<p>CLS-444 RTV Silicone Adhesive High Temperature Red</p>	

CLS-444 is a single component, silicone adhesive sealant which cures to a tough, rubbery solid at room temperature on exposure to water vapor in the air (acetoxo cure).

CLS-444 can be applied overhead without sagging, painted surfaces and many other substrates. **CLS-444** is 100% silicone, retains permanent flexibility and has excellent weatherability.

CLS-444 is ideal for use on:

• Applying Ceramic Tiles/ Bricks	• Sealing heating elements
• Anti-abrasion coating	• Sealing bag filters
• Sealing smoke stacks	• Sealing Manifolds
• Formed in place gaskets	• Sealing for high efficiency furnaces

CLS-444 is available in (10.3) oz. caulk tubes and 1 gallon containers.

Application Instructions

1. Prepare surface by sandblasting or grinding to eliminate surface scale, rust and loose materials. Surfaces should be free of paints, sealants, oils or other coatings.
2. Do not apply if frost is present and not for use on wet or oily surfaces.
3. If using tubes, cut tip to desired bead size and dispense with caulking gun. Apply sealant at 45° angle by pushing sealant ahead of nozzle. If using (1) gallon pails dispense using a putty knife.
4. Work material with notched putty knife or similar tool.
5. Allow 30 minutes to touch; 24 hours for full cure and strength.
6. Consult SDS for full listing of PPE requirements.

Physical Properties	
Color	Red
Specific Gravity	1.04
Durometer, Shore A	32
Extrusion Rate	350 gms/min
Skin Over / Tack Over Time	6-15 minutes
Cure Time	24 Hours
Tensile Strength	350 psi
Elongation	640%

Physical Properties	
Peel Strength: Aluminum (Steel)	18 (20) piw
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Constant @ HZ	2.9 @ 60
Service Temperature	-85° F to 500° F
Intermittent Temperature	600° F
Shelf Life (factory sealed containers)	12 Months
Conforms to Specifications; FDA CFR.177.2600, USDA, NSF51, MIL-A-46106, ASTM C920, TT-S-111543A, TT-S-00230C (COM-NBS), UL File No. E163852 (E40195) (Type 37132, Amend 2, Type 1)	

Product Warranty: C. L. Smith Industrial Company warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within C.L. Smith Industrial's directions and tested in accordance with ASTM and C.L. Smith Industrial standards. C.L. Smith Industrial Company's liability is limited to replacement of material found to be defective. As C.L. Smith Industrial has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect, engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents. Data sheets are subject to change without notice.