



Product Data Sheet

FLEX 464 SILICONE SELF LEVELING PENETRATION SEALANT

TYPICAL USES: Seal pitch pan penetrations on low slope roof systems. Seal fasteners on low and semi-steep sloped metal roofs.

PRODUCT DESCRIPTION

Flex 464 is a high performance self-leveling one part, moisture curing, and room temperature vulcanizing (RTV) 100% silicone sealant that cures to a low durometer. Flex 464 has ultra-high elongation and remains very durable. It has good flexibility and a low modulus, so it will maintain its integrity on fasteners and penetrations with movement. Flex 464 exhibits excellent unprimed adhesion to concrete, metals, and most other construction substrates, provided they are clean, dry and free of dust and frost. Flex 464 is unaffected by sunlight (ultra-violet rays), ozone, temperature extremes, rain and snow. It has a long service life, and it was designed to perform between -60°C to 200°C (-76°F to 392°F). It is mold and mildew resistant.

PRODUCT CHARACTERISTICS

Type	100% silicone, one-part RTV
Appearance	Smooth thick liquid
Application Temperature Range	Ambient to 50°C (120°F)
Useable Temperature Range	-60°C to 200°C (-76°F to 392°F)
Drying Time*	
Tooling/Skin-Over Time	15-30 minutes
Cure Time	24 hours
Full Physical Characteristics	7 Days

PHYSICAL PROPERTIES

(Typical properties-values not to be used as specifications)

Uncured	
Specific Gravity	1.11
Slump/Sag	Flowable
Cure System	Neutral (Oxime), Moisture Cure
Cured At Standard Conditions*for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	15 points
Tensile Strength (ASTM D412)	200 psi (14.1kg/cm ²)
Elongation at Break (ASTM D412)	600%
Tear Resistance (ASTM D624, Die B)	28 ppi (4.9 kN/m)

*At standard conditions 77°F (25°C) and 50 % relative humidity

COLORS: Flex 464 is available in gray.

SURFACE PREPARATION: All surfaces to which Flex 464 is to be applied must be clean, dry and free of contaminants.

APPLICATION: Always test adhesion before applying to different substrates. When applying to metal pitch pockets, the space between the penetration and roof deck must be sealed with an appropriate adhesive or compressible insulation before installing the interior seal. Fill the interior with a non-shrinking grout to 1” below the top edge. Ensure the grout is completely cured prior to applying the Flex 464. Fill the pitch pocket with Flex 464, slightly over filling the pan to avoid the water to sit in the pocket. When sealing fasteners apply a dollop of sealant to each fastener head with a caulk gun, assuring the sealant covers the entire head of the fastener. Flex 464 will completely encapsulate the fastener, sealing the perimeter to the metal deck.

SAFETY PRECAUTIONS: Flex 464 uses a neutral cure system, so no acetic acid or objectionable by products area evolved during the cure. Adequate ventilation should be provided with extensive use of this sealant. On direct contact uncured sealant may irritate eyes. Flush well with water and call a physician. Avoid prolonged contact with skin. See Safety Data Sheet available on this product. This product is intended for use by professional applicators in accordance with the advice given in this document, the Safety Data Sheet (SDS) and the container(s). and should not be used without reference to the SDS that Flex has provide to its customers. **KEEP OUT OF THE REACH OF CHILDREN.**

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards & regulations. If in doubt regarding the suitability of use of this product, consult Flex for further advice.

STORAGE: Flex 464, when stored in original, unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored below 32°C (90°F), has a shelf life of 12 months from date of manufacture.

PACKAGING: Flex 464 is available in 300 ml (10.2 FL. oz.) cartridges and 600 ml (20 fl. oz.) sausages.

WARRANTY: Flex Membrane International Corp. warrants that its products will meet its specifications. Flex shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, Flex’s liability, expressed or implied, is limited to the stated selling price of any defective goods. Data is subject to change without notice and it is therefore recommended that this information not be used for specification writing. For additional information on specific applications, contact the manufacturer.