

# Impersol™ SI Silicone Joint Compound

## PRODUCT INFORMATION



### OVERVIEW

Impersol SI Joint Compound is a high solid, low VOC, one-part silicone elastomeric flashing grade specifically designed for use in sealing roof penetrations, curbs, seams, flashing areas, and any other roof top areas of possible water infiltration. Impersol SI Joint Compound is also the sealant of choice for any roof system that has been previously coated with a silicone elastomeric coating. Once applied, this silicone flashing grade provides a durable, seamless and flexible system that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, Impersol SI Joint Compound provides greater waterproofing protection than similar flashing grade silicone sealants and offers increased resistance to moisture penetration.

#### Recommended uses:

Impersol SI Joint Compound was specifically developed as a protective sealant for pipe boots, seams, flashing areas, curbs, exposed fasteners and all other breaches in a roof system that will allow water to enter a structure. With excellent adhesion to other silicone products, Impersol SI Joint Compound is proven to provide long term durability versus water based sealants.

### APPLICATION INSTRUCTIONS

Impersol SI Joint Compound may be applied by soft brushes or trowels. Impersol SI Joint Compound can be applied to WET SUBSTRATES AND UNDERWATER! Impersol SI Joint Compound is an excellent emergency repair product. For best results, ambient temperature should be between 50- 90°F. Higher temperatures will shorten the cure time and working time for proper application. Lower temperatures will lengthen the skin over, tack free and ultimate cure time. Sudden temperature declines may also result in dew formation on surfaces. For best results, relative humidity should be above 20%. Lower humidity will slow the cure time significantly. Apply Impersol SI Joint Compound at a rate of no greater than 50 wet mils. Minimum dry mil thickness shall be above 25 mils. Coverage rates are:

PER GALLON: 750 fasteners; 100 linear feet of seam at 4" wide and 40 wet mils.

### LIMITATIONS AND PRECAUTIONS

Avoid contamination in sealed containers. Store away from heat and sources of ignition. Do not inhale vapor or mist, do not get on skin, in eyes or on clothing. Refer to SDS for more information.

Typical Physical Properties	SI Coating
Total Solids (ASTM D2697)	97% ± 3 by vol
Weight Per Gallon	10.7 lb/gal
Flash Point	> 150° F (65.6°C)
Shelf Life	12 months @ 50° - 85° F (10° - 29.44°C)
Viscosity	8,000 – 12,000 cP
Elongation	275% ± 50
Hardness	50 ± 5 shore A
Tensile Strength	130 psi ± 50
Permeability	4.2 perms
Service Temperature	-25° to 175° F (-31.7° - 79.5°C)
Thinner	not recommended
Solar Reflectance	87%
Thermal Emittance	89%
Cure Times	12-18 hours
Tack Free	1-2 hour
VOC	< 50 g/l



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