



**RELTEK** LLC

*adhesives, sealants & coatings for harsh environments*

# SEALiT™ A-46

Clear Coat & Sealant

Clear coat  
and sealant

Low viscosity sealant forms a thin clear coat for metals such as copper, stainless steel, aluminum, glass, ceramic, composites and plastics. Very high chemical resistance, including continuous immersion in water. Excellent corrosion and UV resistance. Good adhesion to plastics, epoxy, urethanes, glass, ceramic and metals.

Sealant for  
electronic

A one-part, one coat, thin coat, ambient or thermal cure sealant on electrical components and circuit boards with very high electrical resistance in the presence of water.

**Versatile**  
production  
application

Excellent high and low temperature performance. One year shelf life. Dip, spray, brush, and roll application. Will fill micro pores.

Harsh environ-  
ments

Marine,  
Industrial,  
Downhole oil,  
Mining,  
Automotive,  
Medical.  
Architectural





## Description

*SEALiT™ A-46* is a high performance, high and low temperature one-part thin coat sealant and architectural clear coat for metals such as copper, stainless steel, aluminum, glass, ceramics, composites and plastics. A typical single coating of 0.002" (5mm) thick provides excellent corrosion protection, with a pinhole free coating in a single 0.002" thick application. Copper test plates, after 6 months exposure to heavy winter rains showed no signs of corrosion or loss of architectural quality and no degradation from sun exposure.

**SEALiT™ A-46** offers very high chemical resistance, including continuous submersion in water. The coating is used to protect motor stator laminations from corrosion, seal circuit boards from seawater, permeate and seal porous ceramic without alteration in architectural appearance, permeate into minute crevasses to seal cracks and provide thread locking properties.

## Curing Guide

A wide range of curing regimes may be employed. Examples of typical cure schedules are ambient for 60 minutes, or 75°C (150°F) for 15 minutes, or 150°C (302°F) for 5 minutes. May be brushed, sprayed, or poured. Wetting qualities are superior, even on non-polar surfaces.

## Storage

The usable shelf life of unopened containers of *SEALiT™ A-46* resin is one year, and should be stored in cool, dry place. When not in use, containers should be kept tightly closed after purging with dry nitrogen. *SEALiT™ A-46* is available in syringes, cans, bulk container, and custom packaging.

## Typical Properties

<i>Property</i>	<i>Value</i>
Viscosity @ 25°C, ASTM D445	4.5-8.5
Specific gravity, ASTM D1298	1.018-1.038
Refractive index, ASTM D1218	1.4420-1.4480
Color	Clear with stray color

## Information

For further information, engineering support and sales service, contact the *RELTEK* sales office.