

UNI-SEAL®

Sealant for screws

UNI-SEAL® is a specially modified acrylic that is durable, flexible and provides exceptional watertight bond with most materials including carbon steel, stainless steel, aluminium and titanium.

Offering up to 5 times reusability without a single seepage, UNI-SEAL® is the perfect solution for anyone looking for superior water sealing capability across a wide range of applications.



* Photos shows UV sealant coating. Colors will vary depending on material and specifications.

Product Characteristics

Characteristics	Description
Material	Polymer
Curing Method	Ultraviolet (UV) light or heat
Benefits of UV Curing	UV method offers high speed curing, which shortens production leadtime as compared to conventional heat curing method.
Application	- Bonding, coating or sealing (air, water, dust proofing) - Electrical insulation

UNI-SEAL® Resistance

The following results show the resistance levels of UNI-SEAL® aged under varying conditions.

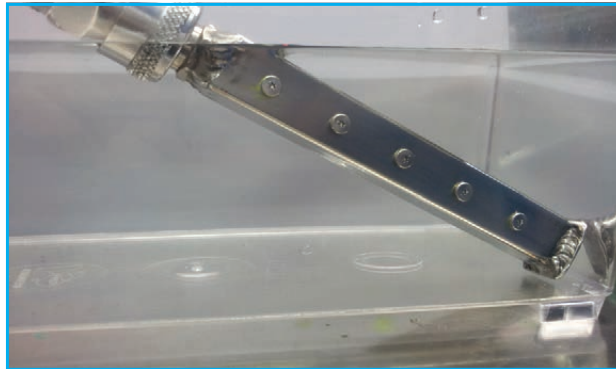
Environment	°C	% of Initial Strength	
		300h	500h
Air	121	75	80
Air	150	50	55
Motor Oil (10W – 30W)	22	90	85
Unleaded Gasoline	22	70	80
Heat/ Humidity 90% RH	50	45	30

Environment	°C	% of Initial Strength		
		170h	300h	500h
IPA	22	-	-	80
Boiling Water	100	-	85	-
Water	50	75	-	-



Water Sealing Evaluation

A water sealing test was conducted in-house to measure the effectiveness of UNI-SEAL® on M1.4 screws under a pressure of 1 bar. The test vessel was submerged in water measuring 25°C for 10 minutes each time, for a total of 5 cycles.



With UNI-SEAL®



Without UNI-SEAL®

Initial product testing is recommended for optimum performance during assembly.



Unisteel Technology Limited
Tel : +65 6634 6366
Email : sales@unisteeltech.com

www.unisteeltech.com

A member of **SFS**