

SELF ACCESSMENT
SEALANT TEST REQUIREMENTS
Institute of Impregnation Technology

The objective of this proposed standard is to set a test procedure that can be verified by both supplier and user of sealant and support chemicals. Internationally, this specification is open to everyone involved in porosity impregnation and may submit their findings for publication on the IOIT web page. It is important that self assessments are conducted to an agreeable international standard so that true comparisons between products can be assumed. Such results will be open to anyone who may have an interest in verifying or questioning the published results. This will ensure that the publicly quoted information on each sealant has the credence of being constantly under review.

* See Impregnation Standard procedure.
Please choose from the US MIL-17563C Material List Below and insert ref no into the table above.

Ref No	Specimen Type	Material	Media Specification	Time	Temperature
1	All Water		-	14 days	212°F (100°C) (boiling)
2	All	Oil	MIL-H-17672	14 days	210 ± 5°F (99 ± 2.8°C)
3	All	Hydrocarbon Fluid	TT-S-735	14 days	73.4 ± 3.6°F (23 ± 2°C)
4	All	Carbon Removal	P-C-111	30 minutes	73.4 ± 3.6°F (23 ± 2°C)
5	All	Lubricating Oil	MIL-L-7808	48 hours	255 ± 5°F (121 ± 2.8°C)(1)
6	All	Turbine Fuel	MIL-T-5624	48 hours	73.4 ± 3.6°F (23 ± 2°C)
7	All	Ethylene Glycol	MIL-E-9500	14 days	CI 1—300 ± 5°F (149 ± 2.8°C)(2) CI 2—397 ± 5°F (197 ± 2.8°C)(2)
8	All	Hydraulic Fluid	MIL-F-17111	14 days	210 ± 5°F (99 ± 2.8°C)
9	All	Fuel	ASTM D 910	48 Hours	73.4 ± 3.6°F (23 ± 2°C)
10	All	Diester grease	MIL-G-23827	48 Hours	73.4 ± 3.6°F (23 ± 2°C)
11	All	18 percent Sulfuric acid	O-S-809	2 Hours	73.4 ± 3.6°F (23 ± 2°C)
12	All	Stoddard solvent	P-D-680	48 Hours	73.4 ± 3.6°F (23 ± 2°C)
13	All	Ethyl alcohol	MIL-E-463	48 Hours	73.4 ± 3.6°F (23 ± 2°C)
14	All	Thermal resistance	-	14 days	300 ± 5°F (149±2°C) (2)
15	All	Thermal resistance	-	14 days	500 ± 5°F (260±2.8°C) (2)