

Sonotech Ultrasonic Couplants and Testing Specifications

Sonotech is registered as conforming to ISO 9001:2000 and ISO 13485:2003

Testing Specification	Definition	Sonotech Couplant Approved to Specification
ASTM F519	Hydrogen embrittlement testing on high strength steel	<ul style="list-style-type: none"> ▪ Ultragel II⁽¹⁾ • Echogel⁽¹⁾ ▪ Echogel XP⁽²⁾ • Gel 3000⁽²⁾
ASTM F945 or PWA 36604, MCL E-205 Type II	Titanium Stress Corrosion Cracking	<ul style="list-style-type: none"> ▪ Ultragel II, • Gel 3000⁽²⁾ ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 5544	Hot corrosion testing on Waspalloy	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 5536	Hot corrosion testing on Hastelloy X	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 5608	Hot corrosion testing on Haynes 188 alloy	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 6359	Hot corrosion testing on Ferrous based alloys	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 4037	Hot corrosion testing on Aluminum	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 5608	Hot corrosion testing on Haynes 188	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 5508	Hot corrosion testing on Greek Ascology	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for AMS 4375	Hot corrosion testing on Magnesium	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for PWA 1484	Hot corrosion testing on PWA Turbine Blade Alloy	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for PWA 275	Hot Corrosion Testing on Aluminide Turbine Blade Coating	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA 36700/36604 for PWA 286	Hot Corrosion Testing on Turbine Blade plasma Spray Coating	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
PWA PDM 7	Nondestructive Test method, Jet Engine	<ul style="list-style-type: none"> ▪ Ultragel II, ▪ SonoGlide UP all grades ▪ Soundsafe
BAC 5968	Nondestructive inspection of adhesive bonds within metal structures	<ul style="list-style-type: none"> ▪ Ultragel II • Echocide ▪ Sonotrace • Echowet
BAC 5980	Nondestructive inspection of composite parts and structures	<ul style="list-style-type: none"> ▪ Ultragel II • Echocide ▪ Sonotrace • Echowet
BAC 5439-PSD622	UT inspection of welds, tubing, wrought materials and immersion testing	<ul style="list-style-type: none"> • Ultragel II • Echogel

Notes:

- BAC Specifications are Boeing Aircraft, Testing was performed by The Boeing Company
- PWA Specifications are Pratt and Whitney; Testing was performed by Pratt and Whitney unless otherwise noted.
- ASTM F519 testing performed by:
 - (1) The Boeing Company
 - (2) Scientific Materials International
- Request separate listing for US military specification approvals (restricted distribution)