



ANE-47932™

DEFINITION

ANE-47932™ is a toughened two part adhesive. ANE-47932™ is specifically developed for bonding difficult substrates such as glass, ceramics, metals and engineered plastics. Proven applications are bonding stainless steel to aluminum. It bonds well to glass, rubber, metals, and ceramic. It reaches tensile shear strengths greater than 6000 psi. Proven applications are bonding stainless steel foil to mesh on stencils.

PRODUCT DESCRIPTION

Appearance	Liquid
Odor	Faint
Color (May be modified to meet your requirements)	White

Property	Result	Methods
Viscosity	40,000 mPa·s	Brookfield RVT, Spindle 27, Small Sample Adaptor, 10 rpm, 25°C

Other information			
Work life time @ 25 ± 2°C	4.5 hours (viscosity doubles)		
Full Cure Time @ 25°C	24 hours		
Fixture/Handling Time @ 65°C	30 minutes (50 gram mass)		
Mix Ratio:	By weight:	Part A 90	Part B 100
	By Volume:	Part A 100	Part B 100
Possible curing cycles	24 hours at 25°C 25 minutes @ 65°C (150°F) 12-15 minutes @ 72°C (160°F)		
Specific gravity @ 25°C (g/cm³)	1.3		
Storage stability (unmixed)	1 year at room temperature		

APPLICATION PROPERTIES

- **ANE-47932™**, when fully cured, is highly resistant to moisture, antifreeze solutions, automotive fluids, detergents, gasoline, hydraulic fluids, plasticizers, cleaning agents, acids, and bases.
- **ANE-47932™** is highly resistant to vibration and can be thermal cycled between -40 and 170°F.

TYPICAL PROPERTIES OF CURED ANE-47932™

The properties set out below were determined following measurements carried out in the laboratory over a small number of tests. They are values given by way of guidance, and do not constitute a guarantee. It will be for the user, in all cases, to carry out their own tests to determine whether the **ANE-47932®** resin can be used for the particular application the user has in mind.

PHYSICO-CHEMICAL PROPERTIES

Properties	Methods	Units	Typical values
Cure 1 hours @ 65°C			
Shore D hardness	ASTM D2240	-----	85
Lap shear to Al	ASTM D3163	psi	>3,200

ELECTRICAL PROPERTIES

Properties	Methods	Units	Typical values
Volume Resistivity <ul style="list-style-type: none">• 100 V• 500 V	ASTM D257	Ω-cm	<ul style="list-style-type: none">• 8.0 x 10¹⁴• 6.3 x 10¹⁴
Dielectric Constant <ul style="list-style-type: none">• 120 Hz• 1000 Hz	ASTM D150	--	<ul style="list-style-type: none">• 4.3• 4.3
Dissipation Factor <ul style="list-style-type: none">• 120 Hz• 1000 Hz	ASTM D150	--	<ul style="list-style-type: none">• 0.002• 0.002

PROTAVIC AMERICA, INC.

TEL: & FAX: 800.807.2294 / INT'L: 978.372.2016

WWW.PROTAVICAMERIA.COM

PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

ANE-47932 is available in two component kits, and twin syringe cartridges like Mixpac™.

For sizes and part numbers, contact Protavic America, Inc.

The information contained in this data sheet corresponds to the present state of our knowledge; it is intended for your guidance but we are not bound by it since we are not in a position to exercise control over the manner in which our products are used. Moreover; the attention of the user is drawn to the risks that could possibly occur should a product be used for an application other than that for which it is intended.

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