



SI500

SI500 is a surface insensitive cyanoacrylate adhesive that is used in applications that require faster cure speeds, on parts that are dry, and on parts that may be acidic. The SI Series bonds a wide range of similar and dissimilar surfaces. The SI Series provides exceptional performance in a wide range of applications.

Technology / Base	Modified Ethyl
Type of Product	Cyanoacrylate
Components	One Component
Curing	Humidity
Appearance / Color	Clear
Consistency	Liquid

Technical Data

Uncured Material Characteristics		Value	Condition/Method
Viscosity		500 cPs	
Specific Gravity		1.05	
Storage Condition		< 22°C	
Set Time	Steel	< 10 sec	
	Aluminum	<10 sec	
	Neoprene	<5 sec	
	ABS	<10 sec	
	PVC	<10 sec	
	Polycarbonate	<10 sec	
	Phenolic	<10 sec	
Cured Material Characteristics			
Shear Strength	Steel	>2100 psi	ISO 4587
	Aluminum	>1750 psi	ISO 4587
	Neoprene	>750 psi	ISO 4587
	ABS	>900 psi	ISO 4587
	PVC	>900 psi	ISO 4587
	Polycarbonate	>900 psi	ISO 4587
	Phenolic	>850 psi	ISO 4587
Tensile Strength		>1800 psi	ISO 6922
Damp Heat Aging		100%	Strength on PC after 500 hrs at 40°C, 95% R.H.
Dielectric Constant		2 to 3.5 at 1kHz	ASTM D150
Dissipation Factor		< 0.02 at 1kHz	ASTM D150
Volume Resistivity		2 to 10 x 10 ¹⁵ ohm·cm	ASTM D257



General Instructions

For optimum results parts should be clean and free from any contamination on the bonding surface. If parts do not mate flush together use a higher viscosity product to compensate for the gap. Factors Affecting Cure Speed Include: GAP: Thin bond line results in faster cure speed. Larger gaps will lengthen cure speed. HUMIDITY: Cure and fixture times can be influenced by the humidity conditions at the time of assembly. The higher the RH the faster cure and fixture times will be. Fixture time data based on our testing is conducted at 50% relative humidity.

Specifications and Approvals

Storage

Store product in unopened containers, out of direct sunlight, in a dry location. Material should be stored at or below 22°C. For extended shelf life unopened containers of the product may be refrigerated.

Safety & Disposal

For safe handling information and disposal instructions on this product, consult the Safety Data Sheet (SDS)

Date Modified: 10 October 2020

H.B. Fuller Company
9001 W. Fey Drive
Frankfort, IL 60423
+1.800.552.0299

www.hbfuller.com

Connecting what matters.™

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience, and we believe this information to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

® and ™ are trademarks of H.B. Fuller Company or one of its affiliated entities.

NOTE TO USER: by ordering/receiving product you accept the H.B. Fuller General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply.



H.B. Fuller
www.hbfuller.com

©H.B. Fuller Company, 2021