



U3337

U3337 is a medium-to-high viscosity, UV-curable adhesive designed for bonding a wide variety of plastics in a multitude of configurations. It is strong, flexible and well-suited to bonding dissimilar substrates and has a tack free surface finish.

Technology / Base	Modified Acrylate
Type of Product	Structural Adhesive
Components	One Component
Curing	Ultra Violet Light
Appearance / Color	Light Straw
Consistency	Liquid

Technical Data

Rheology	Value	Condition/Method
Viscosity	1000 +/- 150 cps	20°C to 25°C (68°F to 77°F)
Density Specific Gravity	1.06	
Curing Process Characteristics Flash Point Set Time and Wavelength Full Cure Time Shelf Life Storage Condition Optimum Wavelength	> 95°C < 6 sec at 395nm, 50mW/cm2 24 hours 9 months 8°C to 21°C in darkness 300 to 420 nm	
Cured Material Characteristics Cured Appearance Tack Free RoHS Compliant	Colorless solid Yes Yes	
Cured Mechanical Properties Hardness Elongation to Break	Shore A Shore D - 70 175%	ASTM D2240 ASTM D2240 ASTM D638

General Instructions

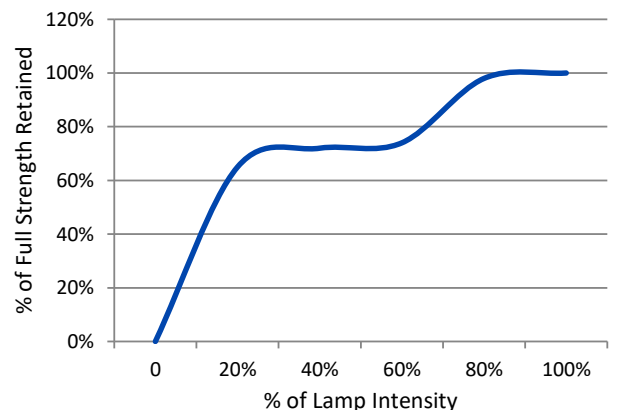
Surfaces to be bonded should be clean and dry. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film layer after compression. Press parts together and expose to UV dose when ready. An adequate bond should develop rapidly, depending on UV dose efficacy, and maximum strength is attained in 24 hours. Wipe off excess adhesive from the top of the container and recap. products, if left uncapped or exposed to sunlight, may deteriorate or cure prematurely.

Curing Performance

Photoinitiation initiates the curing process. Handling strength is reached in a short time, and will vary based on UV dose efficacy, environmental conditions, bond line gap, and other factors. Product will continue to cure for at least 24 hours before full strength and solvent resistance is developed.

Specifications and Approvals

Percent Strength Retained at Given Dosage



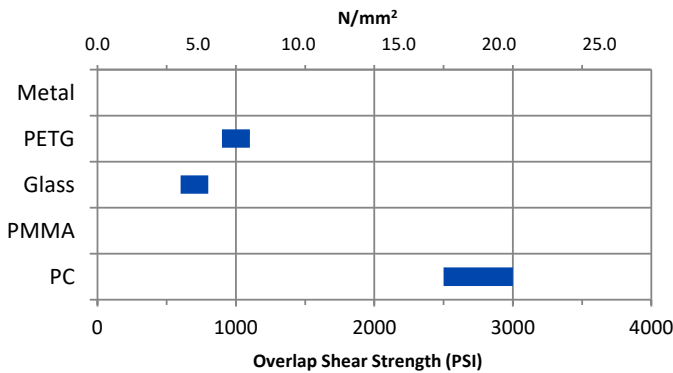


Performance of Cured Adhesive

Substrate	N/mm ²			PSI		
	n/r	to	n/r	n/r	to	n/r
Metal	n/r		n/r	n/r		n/r
PETG	6.2	to	7.6	900	to	1100
Glass	4.1	to	5.5	600	to	800
PMMA	n/r	to	n/r	n/r	to	n/r
PC	17.2	to	20.7	2500	to	3000

* n/r = not recorded on this substrate

Performance Range, by Substrate



Solvent Resistance

Solvent	Example	Resistance
Alcohol	Ethanol, Methanol	+++
Ester (aromatic)	Ethylacetate	---
Ketone (aromatic)	Acetone, Benzophenone	---
Aliphatic hydrocarbon (alkanes)	Petrol, Heptanes, Hexane	++-
Aromatic hydrocarbons	Benzyl, Toluol, Xylol	++-
Halogenated hydrocarbons	Methylenchloride, Chloroform, Chlorobenzol	---
Weak aqueous acid	Nitrite, muriatic acid, sulphuric acid, phosphoric acid	+++ (--- if concentrated)
Weak aqueous base	sodium hydroxide solution, caustic potash	+++ (--- if concentrated)

Safety and Disposal

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

H.B. Fuller Company
 9001 W. Fey Drive
 Frankfort, IL 60423
 +1.630.761.8900

Storage

Products should be stored unopened in a cool, dry place out of direct sunlight. Products should be kept at room temperature away from direct light. Protect from extreme heat or cold, do not refrigerate.

Date Modified: 23 October 2017

www.hbfuller.com

www.hbfullerengineering.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