



H.B. Fuller

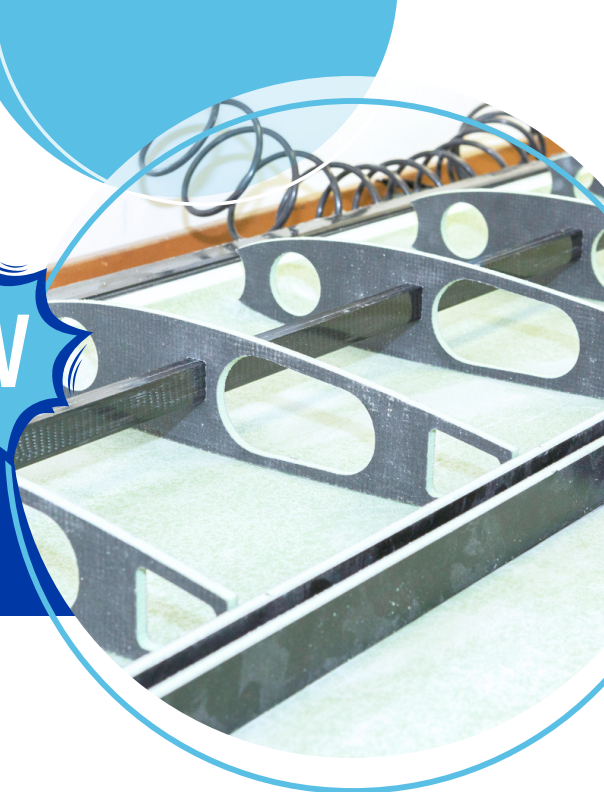
Connecting what matters.™

AEROSPACE

FE6046

LOW-SAG TOUGHENED STRUCTURAL EPOXY FOR
GENERAL PURPOSE USE

NEW



FE6046 is a high-performance toughened adhesive for use in demanding structural bonding applications including CFRP, dissimilar materials, laminating metal, and glass.

This product provides reliable performance across wide temperature ranges with flexible curing and easy processing for consistently durable structural assemblies.

Standout Features

- Formulated for demanding aerospace applications
- Toughened two-part, low-sag epoxy technology that is resistant to shock and vibration
- Easy mix indication - base and accelerator are different color
- Room or elevated temperature cure options
- High peel and tensile strength maintained across broad temperature and environmental ranges
- Application directly from dual barrel cartridges, meter-mix equipment or hand-mixed from pint or quart containers
- Also available in multiple pre-mixed and frozen sizes and fill volumes

Typical Applications

- Structural bonding of components, floor boards, flight control surfaces, and accessories.
- Structural bonding of aluminum, composite materials, and other metals
- Aerospace manufacturing and maintenance

KEY BENEFITS



Low-sag Technology
for Easy Application-
No Need to Add
Fillers



Flexible Processing &
Cure Options





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PRODUCT DATA

GENERAL INFORMATION	H.B. FULLER® FE6046		COMPETITOR PRODUCT	
Type	2K Epoxy		2K Epoxy	
Color	White	Gray	White	Gray
Curing Time	7 Days		7 Days	
Mix Ratio, by Weight	100	65	5	7
Mix Ratio, by Volume	150	100	2	3
	3	2		
Shelf Life (Unopened)	24 Months		24 Months	

PROPERTIES (UNCURED)	H.B. FULLER FE6046		COMPETITOR PRODUCT		TEST METHOD
	PART A (BASE)	PART B (HARDENER)	PART A (BASE)	PART B (HARDENER)	
Viscosity (cPs)	250,000	85,000	75,000-150,000	40,000-80,000	ASTM D1824
Gel Time (Minutes)	120		90		-

PROPERTIES (CURED)	H.B. FULLER® FE6046	COMPETITOR PRODUCT	TEST METHOD
Hardness, Shore D	50	50-65	ASTM D2240
Lap Shear Strength (psi)			ASTM D1002
Room Temp.	3,761	3,200	
160°F	2,347	-	
180°F	-	400	
Room Temp. post humidity conditioning ¹	3,495	-	ASTM D3167
Floating Roller Peel Strength	34	-	
T-Peel Strength	-	25	ASTM D1876
Horizontal Burn Rate, RTA (in/min) ²	1.3	-	FAR 25.853 (a) App. F Part I (b)(5)

¹ Specimens were tested at Room Temperature Ambient (RTA) after 14 days conditioning at 160 ± 10°F and 90%RH.² Specimens were tested at RTA after 24 hours minimum conditioning at 70 ± 5°F and 50 ± 5%RH.For more information about our company, visit www.hbfuller.com/aerospace

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