

H.B. Fuller AHFA Formaldehyde Workshop



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Meet Our Team



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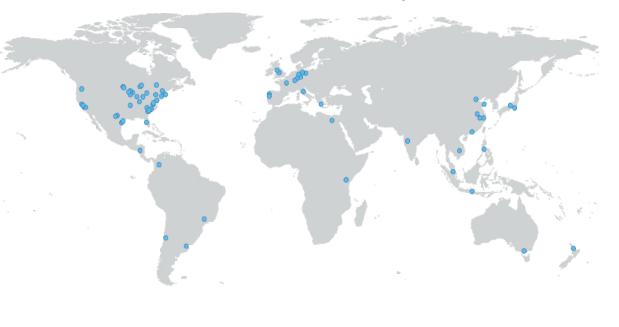






H.B. Fuller is a Global Market Leader in Adhesives





Key Facts

Global **Headquarters:**

St. Paul, MN, USA

\$2.8 Billion In Revenue

~6,500 Employees

72 Manufacturing **Facilities**

38 Technology **Centers**

Direct Presence in 36 Countries

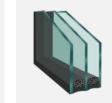
10,000 Adhesive **Solutions**

Customers in 125 countries

H.B. Fuller (NYSE: FUL) - Connecting What Matters™













H.B. Fuller Product Lines



























Cyberbond Childers





















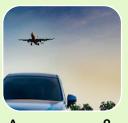




H.B. Fuller – Markets We Serve

We offer solutions to customers in a variety of markets, including:

Engineering



Aerospace & Automotive



Durable Assembly



Electronics & Energy



BTRS & RV



Insulating Glass



Wood & Composite

Hygiene, Health and Consumable



Packaging & Converting



Flexible Packaging



Health & Beauty



Polymer & Coatings



Specialties

Construction



Commercial Roofing



Flooring



Utilities & Infrastructure

HB Fuller Adhesives

Changes

- Formaldehyde restrictions increasing
- New limitations and control
- Transition from Fabricator to Panel Producer

Application Impacted

- Hot Press
- Cold Press
- Continuous Lamination
- Radio Frequency Cure
- Membrane press
- Others

HB Fuller Benefits

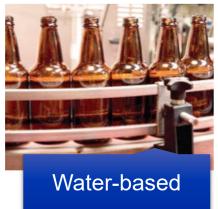
- NAF Adhesives are the norm
- Nearly all our adhesives are NAF (No Added Formaldehyde)
- Replacing Formaldehyde products with NAF are application specific
- Multiple Core Bonding technologies
- In-depth Technical support



Core Technologies

Our experts are continually perfecting adhesives to improve lives.













Engineering Adhesives – Product Toolbox

Epoxy Resin **Hot Melt** Acrylic **Chemistries** PSA Urethane **Reactive Hot Melt** Silicone Films & Tapes Polyolefin 1K & 2K Liquid **Butyl** 1K & 2K Paste Water based Anaerobic (PVAc & VAE) **Cyanoacrylates** Solvent based Heat Moisture Water Resistance UV/Vis. Light **Cold Resistance** • UV + Moisture **Paintable** UV + Thermal **Stainable Functional** Curing Mixing / 2K Pot stability **Options** Activator Etc. PSA

Adhesive Formats

Properties





North America EA Technical Service – Support

- Visit to customer site
 - Identify key performance parameters
 - Identify test methods to validate performance
- Laboratory testing at our St. Paul, MN facility
 - Make laminations
 - Conditioning/accelerated aging testing
 - Quantitative evaluation of bond strength (i.e., Instron)
- Technical service to customer location for start-up to ensure process is running properly

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Regulatory and Certification

Responsibilities of Global Regulatory Stewardship

Internal Regulatory Compliances

- Governmental requirements for H.B. Fuller
- Example: Chemical Control Laws (CCLs), Dangerous Goods classifications, OSHA GHS Safety Data Sheets (SDS)

External Regulatory Compliances/Certifications

- Customer requirements of H.B. Fuller's products
- Example: Proposition 65 chemical inquiries, RoHS/WEEE, IMDS,
- NSF Filtration liaison

Health and Safety Inquiries

- Safe handling and usage of H.B. Fuller's products
- Example: Toxicological reviews, Industrial Hygiene reviews

Product Certifications

Chemical Control Laws

Food Safety

















STANDARDS T

TRANSPARENCY

Customer Focus

Values Driven



Technical Service

Global Reach

Market Expertise + Innovation