

TECHNOMELT®

TECHNOMELT PUR™ Hot Melt Adhesives

Building and Furniture Industries



Henkel



Henkel TECHNOMELT PUR™ hot melt adhesives are the technology of choice for a growing number of furniture and building component applications – including doors, floors, windows, ready-to-assemble furniture, panels, wall systems and profile wrapping – because they offer so many performance and cost advantages.

Cost Benefits:

- Reduced total manufacturing costs
- Solid at room temperature for easy handling
- Lightning-fast curing times that enable faster production lines
- Moderate application temperature range, from 185°F to 284°F
- 100% solids with no volatile organic compounds (VOCs)



The performance of Henkel's hot melt adhesives offers stronger bonding of virtually all substrates, including nonporous and dissimilar surfaces with superior heat resistance, ultraviolet stability and durability. Our adhesives have excellent mechanical property retention at high temperatures and provide immediate strength and variable set speeds. The adhesives are also resistant to most solvents used in home and other buildings.

Performance Benefits:

- 50 to 80 percent bond strength within six hours and final curing in 24 hours or less
- Durable, elastic bonds that withstand temperature extremes from -40°F to 200°F
- Variable viscosity from 2,000 to 60,000 cPs
- Flexible open times, from 10 seconds to 10 minutes, based on applications
- Formulation latitude for different properties and applications

The Henkel Product Technology Advantage

Henkel offers a broad range of TECHNOMELT PUR™ hot melt adhesives with varying properties for high performance applications in all segments of the furniture and building component industries. TECHNOMELT PUR™ hot melt adhesives provide the high-speed processing advantages of conventional hot melt adhesives with much better heat resistance and durability in the end-use product.

From rigid, flat lamination applications such as flooring and doors to more flexible applications, such as profile wrapping – Henkel leverages our extensive formulating latitude to develop a diversity of products with varying properties to bond different substrates, such as:

Doors – wide variety of substrates demand rigid reactive hot melts with variations in thermal stability, green strength, water resistance, heat resistance and UL certification for fire resistance.

Flooring – broad range of wood and synthetic substrates require different reactive hot melt balances of good pot stability, green strength and water resistance, developed to Hardwood Plywood & Veneer AssociationSM floor industry standards.

Profile Wrapping – flooring transitions, door and window components, furniture parts and picture frames typically require the very high green strength of flexible reactive hot melts along with good heat and pitch resistance and no orange peeling.

Polymer-based Office Partitions – general lamination reactive hot melts with a balance of tack, long open times, high green strength and exterior weather resistance.

High-speed Production Lines – high green strength and fast set speeds for adhesion of composite, phenolic and natural substrates.





TECHNOMELT PUR™ Flat Lamination

PRODUCT	APPLICATION	CHARACTERISTICS	LEVEL
TECHNOMELT PUR™ 513C™	General	All-purpose for wide variety of applications	☆
TECHNOMELT PUR™ 149C™	General	General laminating on low memory substrates	☆
TECHNOMELT PUR™ 834A™	General	General laminating, with higher initial green strength	☆ ☆
TECHNOMELT PUR™ 963A™	Vinyl/Acrylic	Low viscosity for non-telegraph in thin substrates	☆ ☆ ☆
TECHNOMELT PUR™ 947A™	Steel Doors	UL 10C 90 minute rating	☆ ☆ ☆
TECHNOMELT PUR™ 2011™	Engineered Floor	High speed/automated flooring lines	☆ ☆ ☆
TECHNOMELT PUR™ 4522S™	Engineered Floor	Manual flooring lines	☆ ☆ ☆
TECHNOMELT PUR™ S100A™	General	Non isocyanate, no bubbling due to NCO off-gassing	☆ ☆ ☆ ☆



TECHNOMELT PUR™ Profile Wrapping

PRODUCT	APPLICATION	CHARACTERISTICS	LEVEL
TECHNOMELT PUR™ 631B™	Wood	High memory and fast line speeds	☆☆☆☆
TECHNOMELT PUR™ 6217™	Wood	"Interior" wrapping, aggressive tack and longer open time	☆☆☆
TECHNOMELT PUR™ 5401M™	PVC/Aluminum	Low viscosity, aggressive initial tack	☆☆☆
TECHNOMELT PUR™ 5301™	PVC/Aluminum	Higher green strength for difficult applications	☆☆☆☆

The Henkel Reactive Hot Melt Applications Know-How Advantage

Our service leadership is the most powerful way we create durable, long-term customer relationships. This is where we combine our market applications know-how, our innovative prowess and our breadth and depth of product technologies to deliver outstanding, measurable value to you and your company.

Whether you are manufacturing windows, developing a new flooring system, assembling fine furniture or constructing prefabricated housing sections, Henkel is the preferred reactive hot melt adhesive solutions provider in your market because we understand your industry, your everyday needs, your long-term challenges and the expectations of your customers.

We have a global footprint with a local presence near you. Our team of market and product development experts is ready to help solve your specialized challenges – from immediate production line challenges and efficiencies to long-term competitive advantages. Our global scale and longstanding relationships give Henkel priority access to raw materials, ensuring you a reliable, timely supply of critical adhesive products in virtually all market conditions. Whether you are large or small, Henkel can access our vast technologies and applications experience to focus on delivering customized, long-term, measurable value to your business.



Henkel Corporation
10 Finderne Avenue
Bridgewater, NJ 08807
www.henkel-adhesives.com