



WOOD AND COMPOSITES


Exterior Doors Selection Guide



Door manufacturing continues to evolve with new materials, process efficiencies and innovations while consumer expectations continue to grow. Whether they are replacing doors for safety, curb appeal, or updating the look for their building, consumers today are faced with more choices than ever. Today’s adhesives must provide flexibility, speed and wider adhesion performance with high-end use reliability.

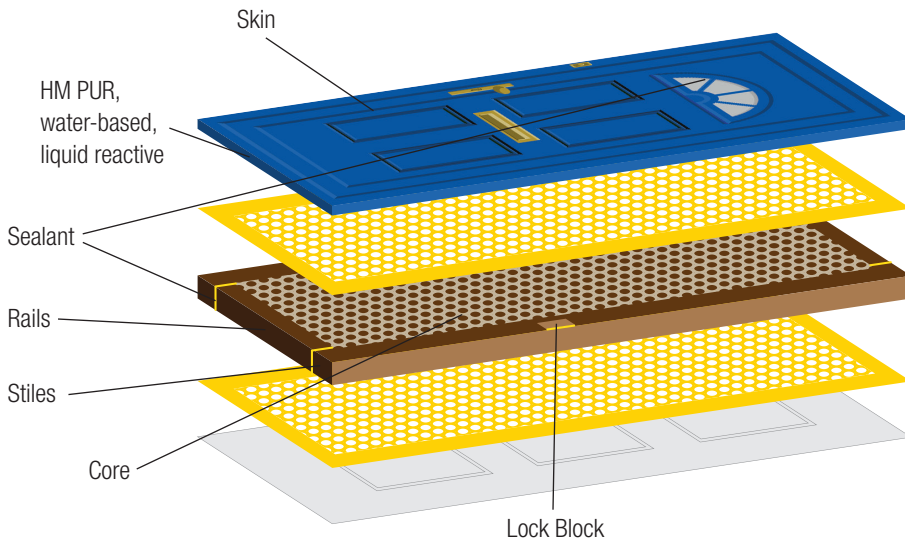
Our current product offerings include many new adhesives developed by understanding the needs of the industry and then rapidly prototyping new concepts in our world class R&D and applications facilities where our comprehensive formulating knowledge is used to build in performance that exceeds required industry certifications.

DOOR MARKET SEGMENTS

	Residential Exterior Door and Garage Door	Fire Door
		
Substrates	Fiberglass, PVC, Steel skins, XPS, PU foam, wooden materials, honeycomb cores, finger jointed or engineered lumber sides, finger jointed or composite rails	Steel skin with Rockwool, fiberglass, gypsum, lead sheet core
Application	Two-sided application on the core	Two-sided application on the core

DOOR DIAGRAM

Door Parts



Possible Door Part Materials

Skin

- Wood / Fibreboard
- Fibreglass
- Steel
- PVC and other plastics

Stiles / Rails / Decorative Panels

- Rails: Pine, MDF, Composites
- Stiles: LVL, MDF Composites
- Decorative Panels: metal or glass
- Can be pre-assembled or coated as sticks and assembled with the skins
- Intumescent or metallic for Fire Doors

Core

- Corrugated / Honeycomb
- XPS, EPS
- Wooden material
- Mineral wool
- Gypsum
- Wool
- Fibreglass
- Injected foam

EXTERIOR DOORS

Product	Application Process	Typical Application	Material 1 (core)	Material 2 (skin)	Technology	Additional Information
Rapidex® NP 2075 LT	Lamination	Roller, spray	XPS, wood	Metal, wood, PVC	Hot Melt Moisture Cure	
Rakoll® 5010		Roller, spray	XPS, wood	Metal, wood, PVC	Hot Melt Moisture Cure	Low emission
Rakoll® ECO 4		Roller	XPS, wood	Wood	Water-based PVAc	
Rakollit™ 280		Roller	XPS, wood	Wood	EPI, Water-based	2-Components
ICEMA™ range		Roller also bead application	XPS, wood	Metal, wood, PVC	1-Component	PVC with corona. For roller application, suitable only ICEMA products over 30 min. open time.
Körapur 672		Roller also bead application	XPS, wood	Metal, wood, PVC	2-Components	For roller application, suitable only Körapur products over 30 min. open time.
Körapop 225	Sealant	Beads, by gun	Metal, wood, glass (treated), XPS	Metal, wood, glass (treated), XPS	1-Component	No labelling. High elasticity, spectrum of adhesion.
Körapur 125		Beads, by gun	Metal, wood	Metal, wood	MS	
Körapur 030		Beads, by gun	Metal, wood	Metal, wood	1-Component	No labelling. High elongation range.

FIRE DOORS

Product	Application Process	Typical Application	Material 1 (core)	Material 2 (skin)	Technology
Swift®bond 9709		Spray, bead	Rockwool, Gypsum	Metal	One-component, filled
ICEMA™ range	Lamination	Spray, bead	Rockwool, Gypsum	Metal	One-component, unfilled
Körapur 672		Roller, also bead application	Rockwool, Gypsum, Fibreglass	Metal	2-Components
ICEMA™ WG 4/2		Bead	Rockwool, Gypsum	Metal	Silicate



ABOUT H.B. FULLER

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, health and beauty, transportation, aerospace, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And, our promise to our people connects them with opportunities to innovate and thrive.



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