

# FILTRATION



## MEMBRANE SEPARATION PRODUCT SELECTOR GUIDE

H.B. Fuller has been providing innovative products and technical solutions to the membrane separation market for over 30 years. Our team of technical and sales experts listen, collaborate, and participate in industry organizations with our customers, to deliver new and innovative adhesives relevant to the evolving liquid separation market.

### GLOBAL LEADER AND INNOVATOR

Recognized as a market leader in adhesives for membrane separation, we have an innovative product line that has gained global acceptance and is used for application around the world. Our products offer a wide variety of solutions. Whether you produce products that enable clean water production, life-saving medical procedures, energy production, innovative new pharmaceuticals, or the simple enjoyment of a cold beverage, we have an adhesives solution for you.

### SAFETY

Product safety and reliability is paramount for liquid separation applications. We take this seriously and have a proven track record of producing reliable products and a safe solution for your FDA or NSF products.

### PRODUCTION SELECTION

Selecting the right adhesive for your membrane separation application takes knowledge and experience. How these materials interact with different types of membrane, the manufacturing process used to assemble the element, and the material properties of the adhesive itself are all critical to the quality and final performance of your element. That is why we dedicate a team of technical and sales experts to this market segment who are here to help you.



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Application	Product	Feature	Benefit	Typical Element Use	Certifications and Regulatory Compliance	Chemistry Type
<b>SPIRAL WOUND</b>						
Membrane bonding	UR3501	Thixotropic rheology	Penetrates membrane well while staying up on surface to seal leaves	Sea water and brackish water desalination	NSF/ANSI - Standard 61 certified Compositionally complies with FDA 21CFR175/105	2K PU
Membrane bonding	UR3577LV	Ease of use	1:1 mix ratio at low viscosity make this product easy to use	Sea water and brackish water desalination Point of use water purification	NSF/ANSI -Standard 61 certified Compositionally complies with FDA 21CFR175/105	2K PU
Membrane bonding	UR3543A/B TF	Best chemical resistance	Withstands highly alkaline conditions at elevated temperatures	Dairy, food processing and industrial separations	Compositionally complies with FDA 21CFR175/105	2K PU
Hollow fiber potting	UR2187	Low viscosity, moderate hardness	Potts high density fiber packs well, easy to cut	Dairy, food processing and industrial separations	Compositionally complies with FDA 21CFR175/105	2K PU
Membrane bonding	UR3586	Reduced blistering	Reduces blistering on certain membranes; high resistance to alkali at elevated temperatures	Dairy, food processing and industrial separations	Compositionally complies with FDA 21CFR175/105	2K PU
Membrane bonding	UR3577M	Low viscosity formulation	Suitable for gravity feed designed, to reduce defects	Sea water and brackish water desalination Point of use water purification	NSF/ANSI - Standard 61 certified	2K PU
Membrane bonding	FE7280	Excellent membrane penetration and non-sag characteristics	Resists osmotic blistering and is highly chemical resistant	Dairy, food processing and industrial separations	Compositionally complies with FDA 21CFR175/105	2K epoxy
Outer wrap	FE7258	High structural strength	Strong and durable outer wrap when reinforced with glass fiber	Desalination, industrial, food and specialty membrane separations	Compositionally complies with FDA 21CFR175/105	2K epoxy
<b>HOLLOW FIBER</b>						
Hollow fiber potting	UR3532 ANF	Medium cure speeds	Excellent chemical resistance	Water and specialty membrane separations	NSF/ANSI - Standard 61 certified Compositionally complies with FDA 21CFR175/105	2K PU
Hollow fiber potting	UR2187	Low viscosity, moderate hardness	Potts high density fiber packs well, easy to cut	UF and MF pretreatment for RO	NSF/ANSI - Standard 61 certified Compositionally complies with FDA 21CFR175/105	2K PU
<b>MEDICAL HOLLOW FIBER</b>						
Hollow fiber potting	FH3911	Clear color, fast cure	Excellent choice for specially medical separations, very good high temperature performance	Medical separations, profusion	ISO 10993-4, ISO 10993-5, ISO10993-10, USP Class VI	2K PU
Hollow fiber potting	TL0600	Medium cure speeds	Proven product for hemodialysis applications	Medical separations, hemodialysis	Compositionally complies with FDA 21CFR175/110	2K PU
Hollow fiber potting	TL0632F	Fast cure speeds, very low viscosity, high hardness	Fast processing, excellent fiber wetting, high strength	Specialty membrane separations	ISO 10993-5	2K PU

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this 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 user'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. The user is advised to review the specific context of the intended use to determine whether the user's intended use violates any law or infringes upon any patent(s). No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

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