

A SAINT-GOBAIN BRAND



CoreTech Performance Film Solutions

**HIGH PERFORMANCE FILMS  
FOR MEDICAL APPLICATIONS**

**CoreTech**

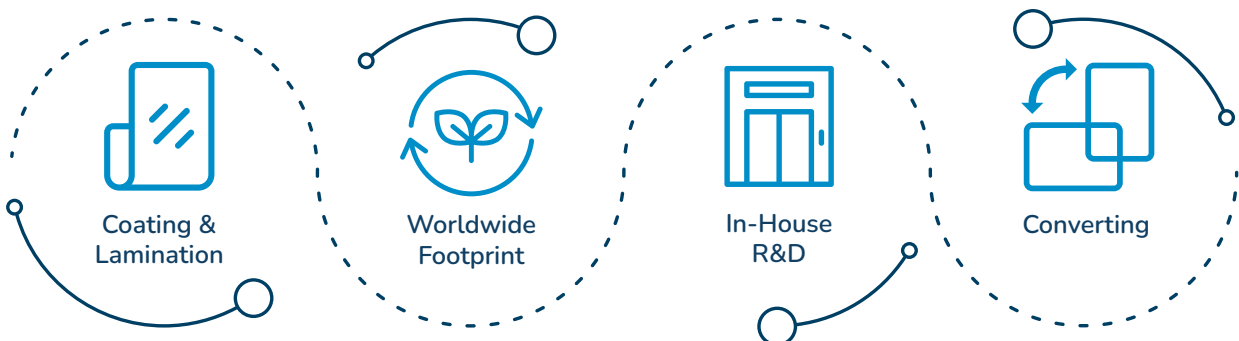


## RELEASE FILMS AND COATINGS FOR MEDICAL APPLICATIONS

**In the rapidly advancing pharmaceutical industry, CoreTech, stands at the forefront, with over three decades of expertise manufacturing specialized medical release films using active DMF listed materials.**

Time, capacity, and consistency are critical in developing modern medical solutions. CoreTech provides FDA-permitted formulations for medical release liners with active drug master file records, significantly accelerating market access. As a member of the Saint-Gobain Group with worldwide manufacturing and R&D facilities, we can rapidly sample and evaluate formulations ensuring our solutions not only meet but exceed industry standards while providing global supply chain access. Our commitment to excellence is reflected in our stringent adherence to cleanliness, reliability, and efficient product release processes manufacturing in ISO 9001:2015 quality management system certified clean room environments.

### TECHNOLOGIES AND CAPABILITIES



## RELEASE FILMS AND COATINGS FOR MEDICAL APPLICATIONS

Our diverse range of DMF listed chemistries are suited for a variety of medical applications. With a broad change of chemistries, CoreTech can offer standard or custom-fit solutions to ensure you have options to meet your specific needs. Samples and trial validation material available upon request.

	Release System	Applications	Adhesive Compatibility	Surface	Shelf Life / Warranty
<b>4000</b> Series	UV Cationic Silicone	For transdermal applications	Compatible with a variety of adhesives	Smooth uniform surface, easy winding, and adjustable release formula	12 months
<b>6000</b> Series	Platinum Thermal Silicone	For medical applications	Compatible with a variety of adhesives	Smooth uniform surface, and easy winding	6 months
<b>7000</b> series	UV Cationic Silicone	For transdermal and thermoformable	Compatible with a variety of adhesives	Smooth uniform surface, easy winding, and adjustable release formula	12 months
<b>8000</b> Series	UV Acrylate Silicone	For transdermal applications	Compatible with a variety of adhesives	Smooth uniform surface, easy winding, and adjustable release formula	18 months
<b>9000</b> Series	Fluorosilicone	For medical application	Adhesive-specific	Smooth surface for easy winding	6 months

## TYPICAL PROPERTIES OF COMMON COATINGS

Coating	Release Type	Base	Typical Base Thickness		Saint-Gobain Cast Acrylic Adhesive Test	Release from Tesa 7475
			mils	µm	Grams/2 in.	Grams/in.
<b>4140</b>	UV Easy Silicone Release	PET	1-3 mils	25 - 75µm	< 30 gr/2in.	5-15
<b>6024</b>	Thermal Moderate Silicone Release	PET	2-5 mils	50-125µm	N/A	110 - 200g/in
<b>6113A</b>	UV Easy Silicone Release	PET	2-3 mils	50-75µm	5-15	5-15
<b>7819</b>	UV Easy Silicone Release	PET	2-3 mils	50-75µm	<20gr/2in.	5-15
<b>7005</b>	UV Easy Silicone Release	HDPE, HIPS, PVC	2 - 10mil	50-250µm	5-15	<10
<b>7540A</b>	UV Easy Silicone Release	HIPS	7-10mil	175 - 250µm	5-15	5-15
<b>8310</b>	UV Easy Silicone Release	PET	1-5 mils	25 - 250µm	10 - 20	5 - 20
<b>8312N</b>	Matte UV Easy Silicone Release	PET	2-5 mils	50 - 250µm	<30g/2in	40 - 60

The values presented are typical values and should not be used for specification purposes.

# TYPICAL APPLICATIONS

## TRANSDERMAL PATCHES



Reliable Release



DMF Coatings



FDA Permitted



Cleanliness

With over 30 years of experience in transdermal release liner applications, we offer a variety of suitable coatings and product constructions. All DMF listed products use FDA permitted coatings and substrates, with rapid development services to modify formulations minimizing your time to market.



## PACKAGING



Thermoformable



DMF Coatings



FDA Permitted



Cleanliness

Variety of product constructions used in medical device packaging applications. DMF listed coatings usable with high quality substrates, include High Impact Polystyrene (HIPS).



## CASTING AIDS & PROCESS LINERS



Smooth Release



FDA Permitted



DMF Coatings



Cleanliness

Clean and reliable coatings on process liners used to fabricate or transport drug loaded adhesive or medical devices during production. Active drug master files with the FDA, and produced in clean room environments with 30 years of manufacturing experience.



# FLUOROSILICONE RELEASE PRODUCTS

Within the medical industry, customizable and reliable release is key when designing an appropriate liner. Some drug packages can be optimized for the patient with a re-positional feature, which typically requires a silicone adhesive chemistry to avoid lock up. CoreTech offers a fully customizable range fluorosilicone release chemistries for this application, summarized below.



## TYPICAL PROPERTIES OF COMMON COATINGS

Coating	Release Type	Base	Typical Base Thickness		Saint-Gobain Cast Silicone PSA Adhesive Test	Release from Tesa 7475
			mils	µm	Grams/2 in.	Grams/in.
<b>9011</b>	Clear Fluorosilicone	PET	2-3 mil	50-75µm	<75g/inch	5-15
<b>9015</b>	Matte Fluorosilicone	PET	2-3 mil	50-75µm	<75g/inch	5-15
<b>9022</b>	Clear Fluorosilicone	PET	2-3 mil	50-75µm	<75g/inch	< 10
<b>9030</b>	Matte Fluorosilicone	PET	2-3 mil	50-75µm	<75g/inch	< 10

The values presented are typical values and should not be used for specification purposes.



Our global R&D team is dedicated to advancing cutting-edge technologies to navigate the constantly evolving legislative landscape, complemented by a broad spectrum of coating formulations ready for trial as alternative solutions.

CoreTech, a Saint-Gobain brand, offers over five decades of expertise in roll-to-roll magnetron sputtering, wet coating, and lamination.



Contact your CoreTech  
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Saint-Gobain Research  
and Development Centers



Saint-Gobain  
Performance Film Solutions Sites

# CoreTech

PERFORMANCE FILM SOLUTIONS

CoreTech Performance Film Solutions is a brand within Saint-Gobain – a company with more than 350 years of experience in innovative material design, development and manufacturing. CoreTech proudly offers over five decades of leadership in the thin films market, with products manufactured in ISO 9001:2015 certified QMS environments. Featuring state-of-the-art wide-web magnetron sputtering equipment, we are the experts in roll-to-roll sputtering, precision wet-coating and lamination, and converting. Learn more about how our technologies and capabilities can bring your next project to life.

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