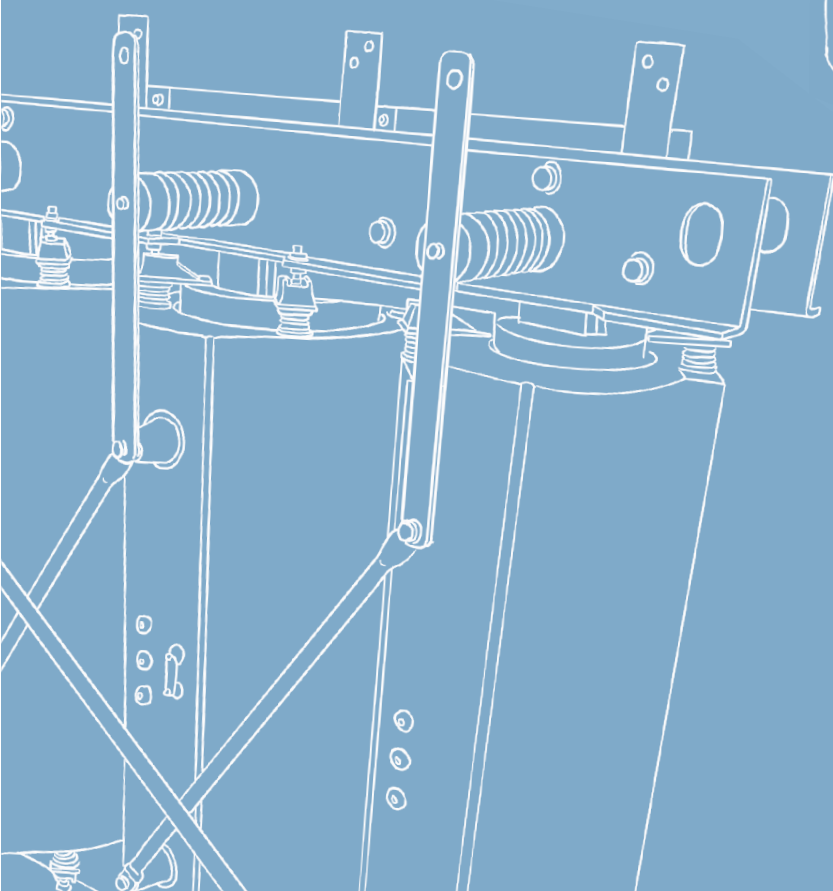
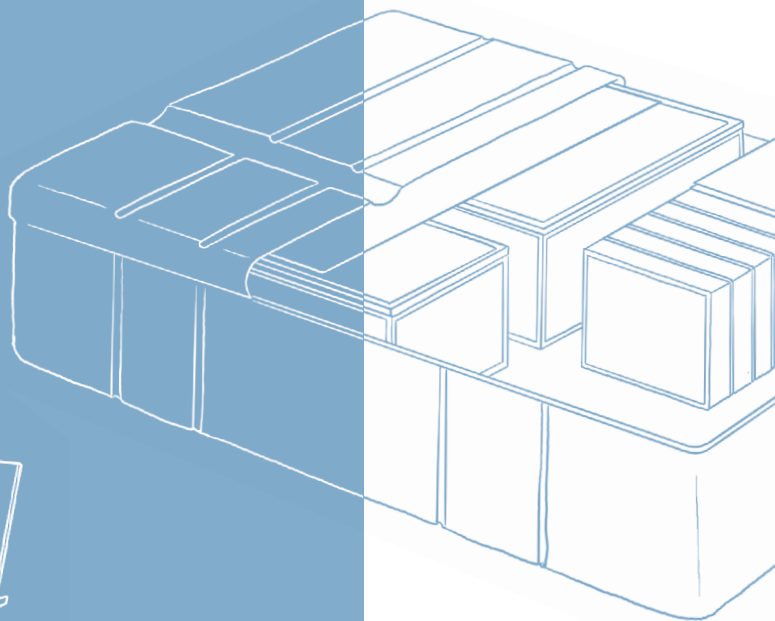
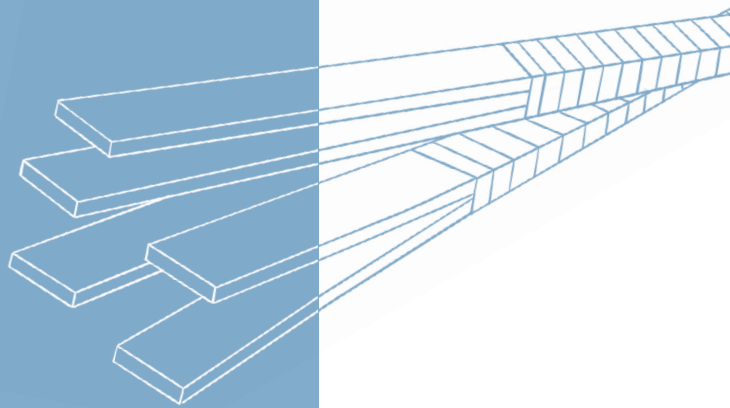
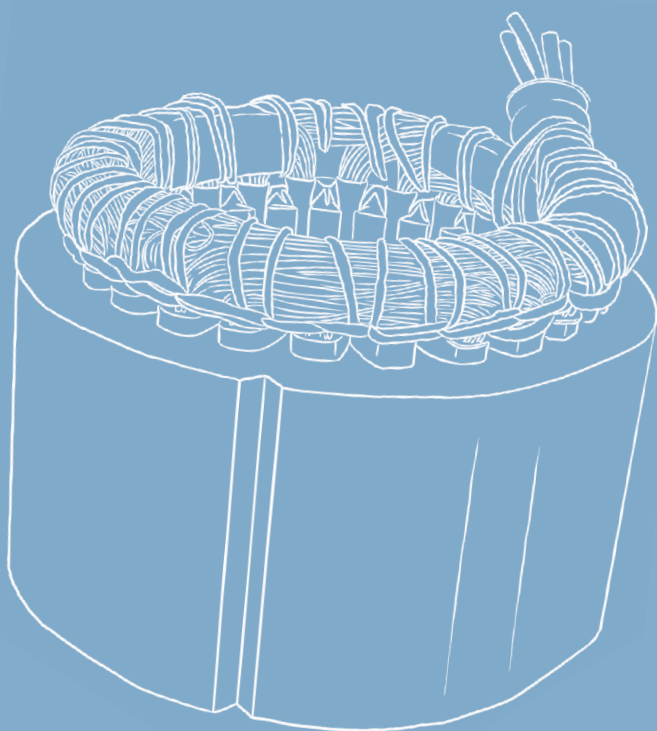


# ***ELECTRICAL INSULATION***

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## ***PRODUCT RANGE AND APPLICATIONS***











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## COVEME KEYFACTS

Thanks to sixty years of know-how in the field of electrical insulation, highly technological production lines, cutting-edge conversion processes and rigorous quality control procedures, Coveme is recognized for its competence and reliability on a global level.

The solid partnerships with clients and suppliers developed over the years have allowed Coveme to meet the challenges of a constantly evolving market and to develop innovative products that respond to the needs of the industry.

























-  **60 years of know how** in the electrical insulation sector
-  **Automated slitting department** for customized cuts
-  **2 production plants** in Italy and Asia
-  **Worldwide** distribution and service
-  **3 R&D hubs** in Italy, Germany and China
-  **Qualified DuPont™ Nomex® distributor and laminator**
-  **13 lines:** coating, lamination and heat stabilization
-  **IATF certified** for automotive industry
-  **30.000 tons** of polyester film converted per year
-  **ISO 9001, ISO 14001 and UNI EN ISO 45001 certified**

## PRODUCT RANGE

The product range of Coveme's electrical division includes plain materials, electrical paper, non-woven laminates, Nomex® laminates, pre-preg and resin treated products used in the electrical insulation of motors, transformers, batteries and conductors.

The supply range of these materials is 4mm to 2240mm.

## PLAIN MATERIALS




Motors	Transformers	Conductors & Busbar	
<p><b>DyFilm®</b></p> <p>Electrical grade polyester film</p> <ul style="list-style-type: none"> <li> UL Certified</li> <li> Thermal Class B</li> <li> Width 4-2240mm</li> <li> Thickness 12-350µm</li> </ul>	<p><b>DyFilm® HB - HBB</b></p> <p>Electrical grade polyester film chemically treated</p> <ul style="list-style-type: none"> <li> Thermal Class B</li> <li> Width 4-2240mm</li> <li> Thickness 12-350µm</li> </ul>	<p><b>DyFilm® HCC</b></p> <p>Electrical grade polyester film corona treated</p> <ul style="list-style-type: none"> <li> Thermal Class B</li> <li> Width 4-2240mm</li> <li> Thickness 12-350µm</li> </ul>	<p><b>DyFilm® HTK (PP or PPP)</b></p> <p>Two or three layers Electrical grade PET-based laminate</p> <ul style="list-style-type: none"> <li> Thermal Class B</li> <li> Width 4-1930mm</li> <li> Thickness 500-1070µm*</li> </ul>
Motors	Transformers	Conductors & Busbar	
<p><b>Nomex®</b></p> <p>Aramid paper</p> <ul style="list-style-type: none"> <li> UL Certified</li> <li> Thermal Class 220°C</li> <li> Width 6-1828mm</li> <li> Thickness 50-760µm</li> </ul>	<p><b>Nomex®</b></p> <p>Aramid pressboard</p> <ul style="list-style-type: none"> <li> UL Certified</li> <li> Thermal Class 220°C</li> <li> Thickness 1000-9600µm</li> </ul>	<p><b>Kapton®</b></p> <p>Polyimide based film</p> <ul style="list-style-type: none"> <li> UL Certified</li> <li> Operative range -269°C to 400°C</li> <li> Width 6-1500mm</li> <li> Thickness 25-125µm</li> </ul>	

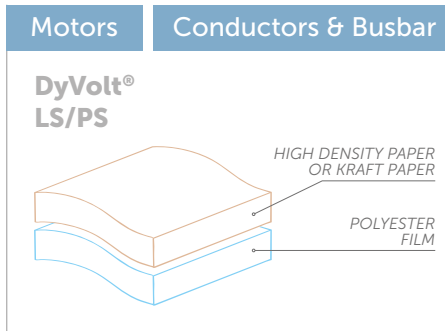
\*Thicknesses > 350µm are obtained by lamination of two or more layers.

## PAPER LAMINATES

### DyVolt®

Paper with PET laminates





-  Thermal Class B
-  Width 6-1000mm
-  Thickness 50-620µm

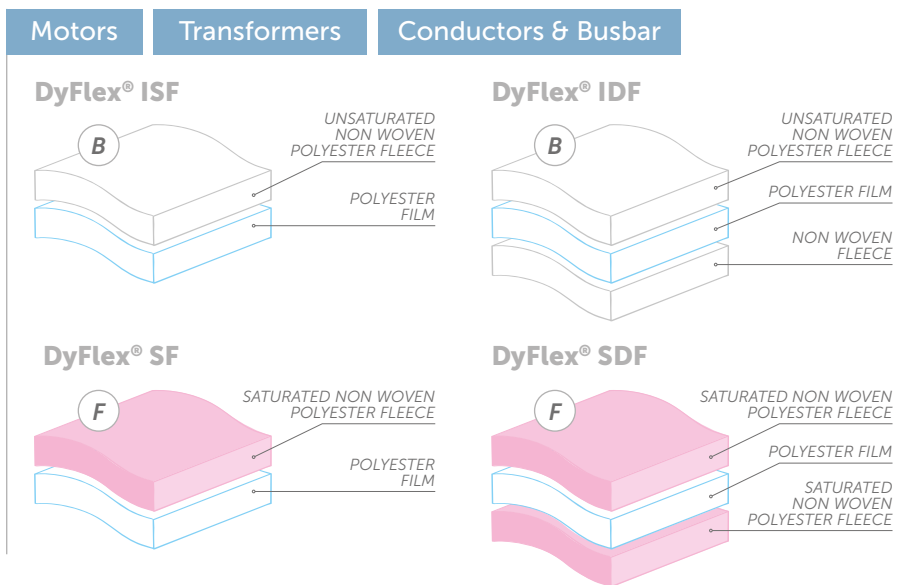


## NON WOVEN FLEECE LAMINATES

### DyFlex®

Non woven fleece with PET laminates, unsaturated and saturated (DM and DMD)


-  UL Certified
-  Thermal Classes B&F
-  Width 4-1930mm
-  Thickness 50-900µm\*

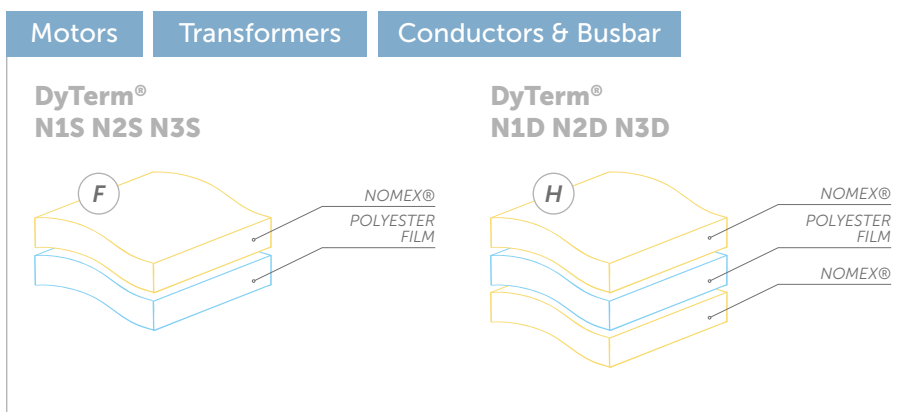


## NOMEX® LAMINATES

### DyTerm®

Nomex® with PET laminates (NM and NMN)

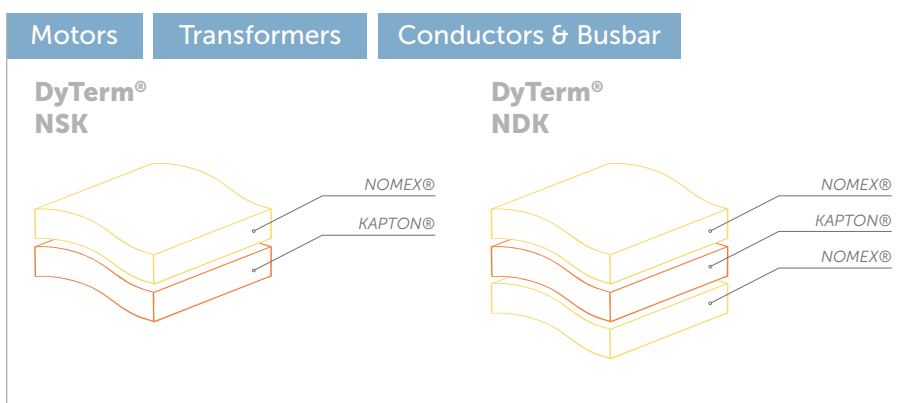
-  UL Certified
-  Thermal Classes F&H
-  Width 4-1815mm
-  Thickness 50-1000µm\*



### DyTerm® K

Nomex® with Kapton® laminates (NK and NKN)

-  UL Certified
-  Thermal Class 200°C
-  Width 4-914mm
-  Thickness 70-500µm

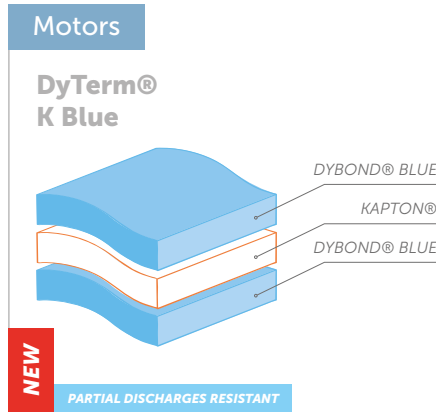


\*Thicknesses > 450 are obtained by lamination of four or more layers

## DyTerm® K Blue

DyBond® Blue with Kapton® film laminates

- Thermal Class H
- Width 4-914mm
- Thickness 70-630µm

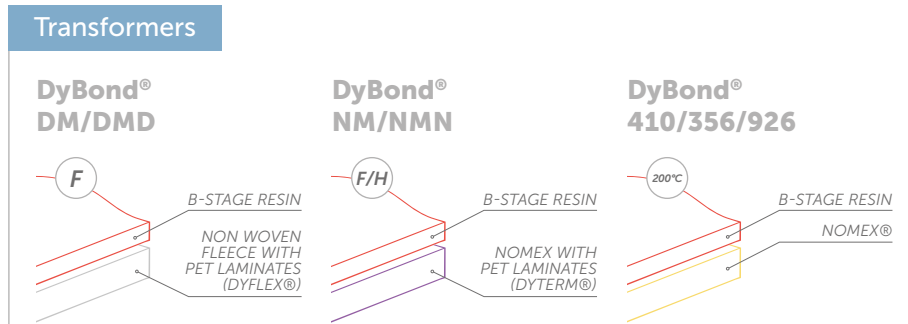


## PRE-PREG PRODUCTS

### DyBond®

Pre-preg products with B-Stage resin **Full Surface**

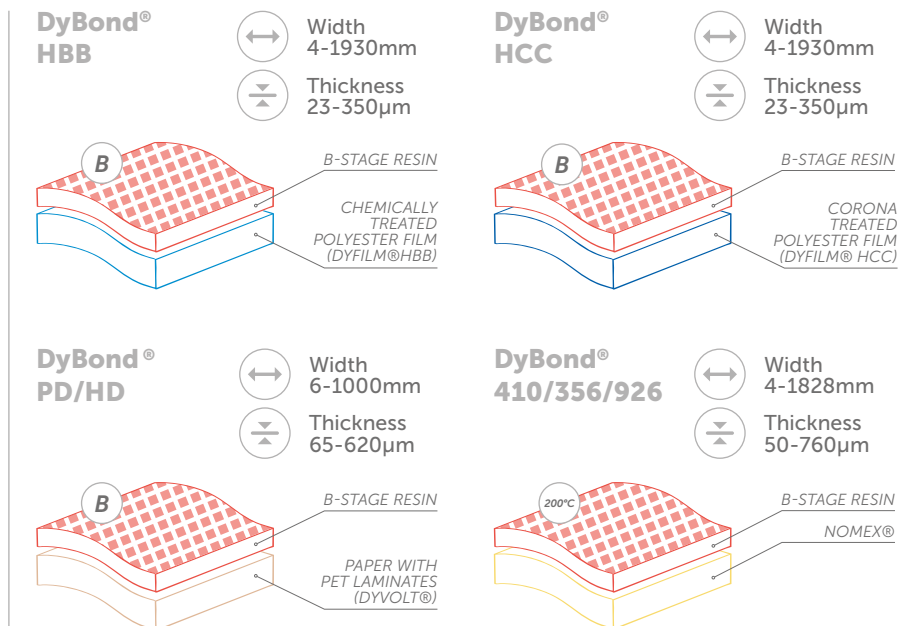
- UL Certified
- Width 4-1930mm
- Thermal Class up to 200°C
- Thickness 100-450µm



### DyBond®

Pre-preg products with B-Stage resin **Diamond Dot**

- Thermal Classes B&200°

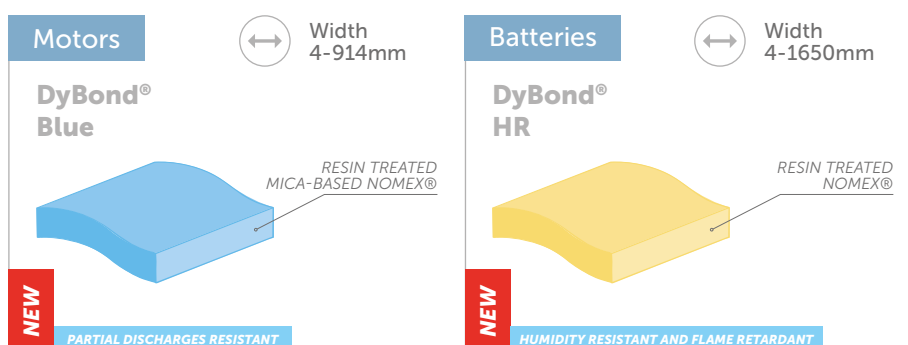


## RESIN TREATED PRODUCTS

### DyBond®

Pre-preg resin treated

- Thermal Class H
- Thickness 80-760µm



# PRODUCT RANGE AND APPLICATION CHART

APPLICATION	CATEGORY	COVEME PRODUCTS				
<b>Motors</b>	Automotive <800V	DyTerm® K (NK/NKN)	Nomex®	DyTerm® (NM/NMN)		
	Automotive >800V	DyBond® Blue	DyTerm® K Blue			
	Thermal Class B 130°C	DyFilm®	DyFlex® (unsaturated DM/DMD)*	DyVolt®		
	Thermal Class F 155°C	DyFlex® (saturated DM/DMD)**	DyTerm® (NM)			
	Thermal Class H 180°C	DyTerm® (NMN)	DyBond® Blue	DyTerm® K Blue		
	Thermal Class 200°C	DyTerm® K (NK/NKN)				
	Thermal Class 220°C	Nomex®	Kapton®			
<b>Transformers</b>	Thermal Class B 130°C	DyFilm®	DyVolt®	DyFlex® (unsaturated DM/DMD)*	DyBond® (pre-preg PET)	DyBond® (pre-preg paper laminates)
	Thermal Class F 155°C	DyFlex® (saturated DM/DMD)**	DyTerm® (NM)	DyBond® (pre-preg DM/DMD)*	DyBond® (pre-preg NM)	
	Thermal Class H 180°C	DyTerm® (NMN)	DyBond® (pre-preg NMN)			
	Thermal Class 200°C	DyTerm® (with PEN)	DyTerm® K (NK/NKN)	DyBond® (pre-preg Nomex®)		
	Thermal Class 220°C	Nomex®	Kapton®			
	High Frequency	DyBond® Blue	DyTerm® K Blue			
<b>Batteries</b>	VTM 0	DyBond®HR	Nomex®			
	VTM 2	DyTerm® (NM/NMN)	DyTerm® K (NK/NKN)			
<b>Conductors &amp; Busbar</b>	Thermal Class B 130°C	DyFilm®	DyFlex® (unsaturated DM/DMD)*	DyVolt®		
	Thermal Class F 155°C	DyFlex® (saturated DM/DMD)**	DyTerm® (NM)			
	Thermal Class H 180°C	DyTerm® (NMN)				
	Thermal Class 200°C	DyTerm® K (NK/NKN)				
	Thermal Class 220°C	Nomex®	Kapton®			



Coveme is certified ISO 9001: 2015 for quality management standards, ISO 14001: 2015 for environmental management and UNI EN ISO 45001:2023 for occupational health and safety.



Coveme is Nomex® official distributor e laminator



Coveme insulating materials are UL Underwriters Laboratories certified and recognized by all major certification bodies worldwide.



Coveme has received the Bronze Medal Ecovadis certification as the result of a corporate sustainability performance evaluation.



Coveme is IATF (International Automotive Task Force) certified as supplier to the automotive industry.



COVEME.COM



ELECTRICAL INSULATION



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