



# SIKA TEXTILE ADHESIVES YOUR SOLUTION FOR INDUSTRIAL LAMINATION

**BUILDING TRUST**





# SIKA SOLUTIONS SUPPORT YOU

As a global leading supplier of adhesive technologies Sika constantly develops new and innovative products. We are a partner to our customers and offer our service worldwide. Our products for textile lamination meet the highest technical requirements and support your process efficiency.

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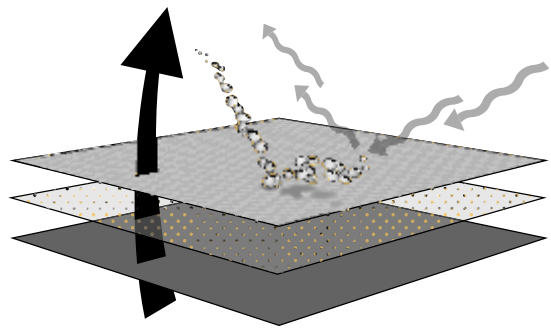
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# SPORTSWEAR – OUTDOOR

Solutions for high water repellent and breathable laminates

**SikaMelt® ADHESIVES, DESIGNED FOR SPORTS AND OUTDOOR WEAR,** support and even increase the high demand for water resistance, breathability, durability and wearing comfort. The excellent adhesive properties facilitate high efficiency bonding of advanced fluorocarbon treated textiles and membranes.



Sports and outdoor clothing consists of two to three laminated layers. This multilayer set-up includes an outer fabric, a lining fabric and a membrane between them. Our SikaMelt® adhesives are the ideal solution for various kinds of membranes like PTFE, PU and PES. Properties such as low viscosity, fast curing and a long shelf life are especially developed to increase your productivity.

## PRODUCT BENEFITS

- Low working temperature
- Fast curing
- Excellent adhesion
- Perfect soft touch
- High resistance to washing
- Long shelf life

Increasing performance requirements in the footwear industry, for example breathability and waterproof protection, demand innovative bonding solutions. Sika offers a full portfolio of technologies including PUR, water and polyolefin based adhesives with a high final

strength for the lamination of textiles, foams, and leather. Sika is the leading producer of high performance reactive polyolefin hot melts for the lamination of non-treated PP and PE.



ADHESIVE	TECHNOLOGY	APPLICATION TEMPERATURE	APPLICATION
SikaMelt®-9603	PUR hot melt	70°C	Membrane to high water repellent textiles with perfect soft touch
SikaMelt®-9603 IS	PUR hot melt	70°C	Fast curing version of SikaMelt®-9603 with improved initial strength
SikaMelt®-9607	PUR hot melt	70°C	Membrane to high water repellent textiles, good initial strength, outstanding processability, with perfect soft touch
SikaMelt®-9680 LV	PUR hot melt	80°C	Membrane to water repellent textiles
SikaTherm®-4102	1C PUR water-based	Room Temp.	Wet based lamination of textiles, foams or synthetic leather
SikaSense®-4300	2C PUR water-based	Room Temp.	Wet or dry lamination of textiles, foams or synthetic leather with very high performances

# PROTECTIVE WEAR

**SIKA PROVIDES ADHESIVES** with excellent halogen-free fire retardant and washing properties. Our products support the manufacture of textile laminates by ensuring easy draping and exceptional durability for robust protection and work wear. Combined with a high process efficiency and wearing comfort, SikaMelt® PUR hot melts are first choice.



Protective and work wear fabrics are designed to be durable and functional. SikaMelt® hot melts additionally combine these properties with high initial strength, low working temperature, flexibility and a high flame retardant performance.

## PRODUCT BENEFITS

- Halogen free
- Flame retardant performance
- Soft touch
- Low viscosity
- Very high resistance to washing
- Durability

OP drapes and gowns must be able to withstand numerous cycles of laundering and sterilization in combination with soft touch and a high wearing

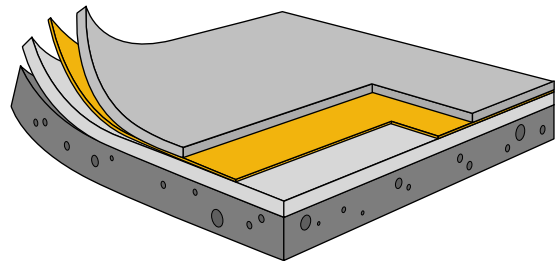
comfort. Sika offers a range of hot melt adhesives which are outstanding in durability, breathability and adhesion performance.



ADHESIVE	TECHNOLOGY	APPLICATION TEMPERATURE	APPLICATION
SikaMelt®-9602 FR	PUR hot melt	70°C	Lamination of flame retardant fabrics
SikaMelt®-9602 LV	PUR hot melt	70°C	Medical and hygiene textiles
SikaMelt®-9604	PUR hot melt	70°C	PTFE membrane to high water repellent textiles
SikaMelt®-9607	PUR hot melt	70°C	Lamination of high breathable textiles and membranes

# TECHNICAL TEXTILE

**TECHNICAL TEXTILES ARE USED IN VARIOUS AREAS**, such as agriculture, forestry, road construction and concrete, furniture and floor coverings, in shipbuilding and in automobile construction as well as in the packaging and electronics industry. Due to their broad range of adhesion properties SikaMelt® products offer ideal solutions for the application of technical textiles.



In comparison to solvent based products and flame lamination, SikaMelt® hot melts and SikaTherm® water-based adhesives are environmentally friendly solutions. Sika products also create cost savings through higher final strength and lower coating weight.

## PRODUCT BENEFITS

- High initial and final strength
- Excellent adhesion range
- Durability
- High ageing performance
- Low fogging and emission level



SikaMelt® PUR hot melts for foam, sponge and abrasive bonding have an excellent efficiency, a high initial strength and a good washing performance. No matter

if applied with rollers, slot dies or spraying systems, our SikaMelt® technology provides a high productivity and an easy processing for all application systems.



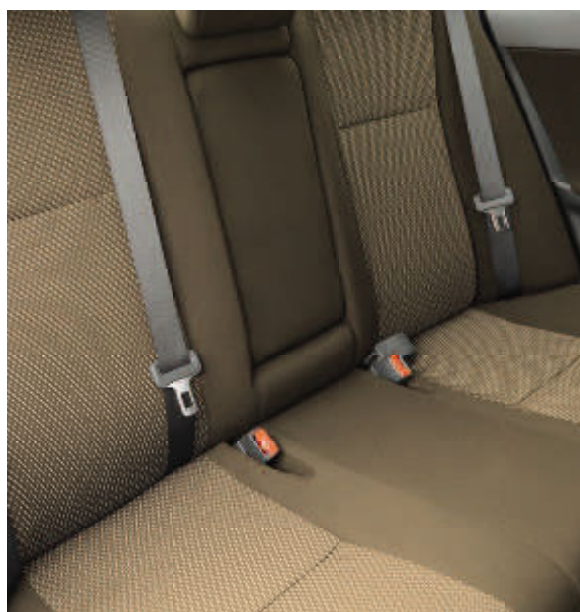
Bi-/tri-laminates for sponge and polishing felt production have higher requirements regarding initial grab, initial and final strength, adhesion to porous surfaces, fast curing and high washing resistance. With SikaMelt® products all requirements are covered.

#### **PRODUCT BENEFITS**

- High initial and final strength
- Excellent adhesion range
- Durability
- High washing performance
- High efficiency

The product lines, SikaMelt®, SikaTherm® and SikaSense®, for technical laminates, fulfill the highest demands of the textile, automotive and construction industry such

as ageing performance, low emissions and easy processing. Therefore Sika products are the ideal solution for the toughest bonding requirements.



ADHESIVE	TECHNOLOGY	APPLICATION TEMPERATURE	INITIAL STRENGTH	APPLICATION
SikaMelt®-9600 FS	PUR hot melt	120°C	High	Lamination of textiles, foams or synthetic leather
SikaMelt®-9601	PUR hot melt	110°C	Good	Standard for lamination of textiles, foams or synthetic leather
SikaMelt®-9632 FC	PUR hot melt	130°C	Very high	Stiff and heavy fabrics where very high initial strength is necessary
SikaMelt®-9675 IS	PUR hot melt	90°C	Very high	Lamination of foams and sponges
SikaMelt®-9677	PUR hot melt	120°C	Very high	Lamination of abrasive textiles
SikaMelt®-9184 IS	R-PO hot melt	110°C	Very high	PP or PE fabrics, foams and films without pre-treatment
SikaTherm®-4102	1C PUR water-based	Room Temp.	High	Wet based lamination of textiles, foams or synthetic leather
SikaSense®-4300	2C PUR water-based	Room Temp.	High	Wet or dry lamination of textiles, foams or synthetic leather with very high performances

# REFLECTING YOUR NEEDS

PERFORMANCE	BENEFITS
Functional testing	<ul style="list-style-type: none"><li>■ Support with prototyping</li><li>■ Functional tests / test plan of entire system for compatibility, adhesion and function</li></ul>
Application technology	<ul style="list-style-type: none"><li>■ Active consulting, including the selection of right application technology</li><li>■ Assist in system and equipment engineering / bonding technology</li><li>■ Support with application and quality procedures</li></ul>
External approvals	<ul style="list-style-type: none"><li>■ Best practice sample preparation</li></ul>

## OUR CORE COMPETENCE

Sika develops bonding and sealing solutions in close cooperation with its customers in Textile industry. To Sika, this means not only developing best-in-class technology solutions to match the customer's technical and commercial requirements, but also ensuring appropriate performance throughout the design, prototyping, validation and full production phases. Experts in Sika's R&D, Technical Service and System Engineering specialize in devising unique client-oriented solutions.



## DESIGN AND SYSTEM ENGINEERING

Application oriented adhesives and sealants are currently in high demand, the most suitable solutions are developed in partnership with our customers to achieve the targeted results. Ultimately, this means reduced production costs, greater product reliability, improved aesthetic appeal and faster turn-around times, adding value to the activities of Sika customers.

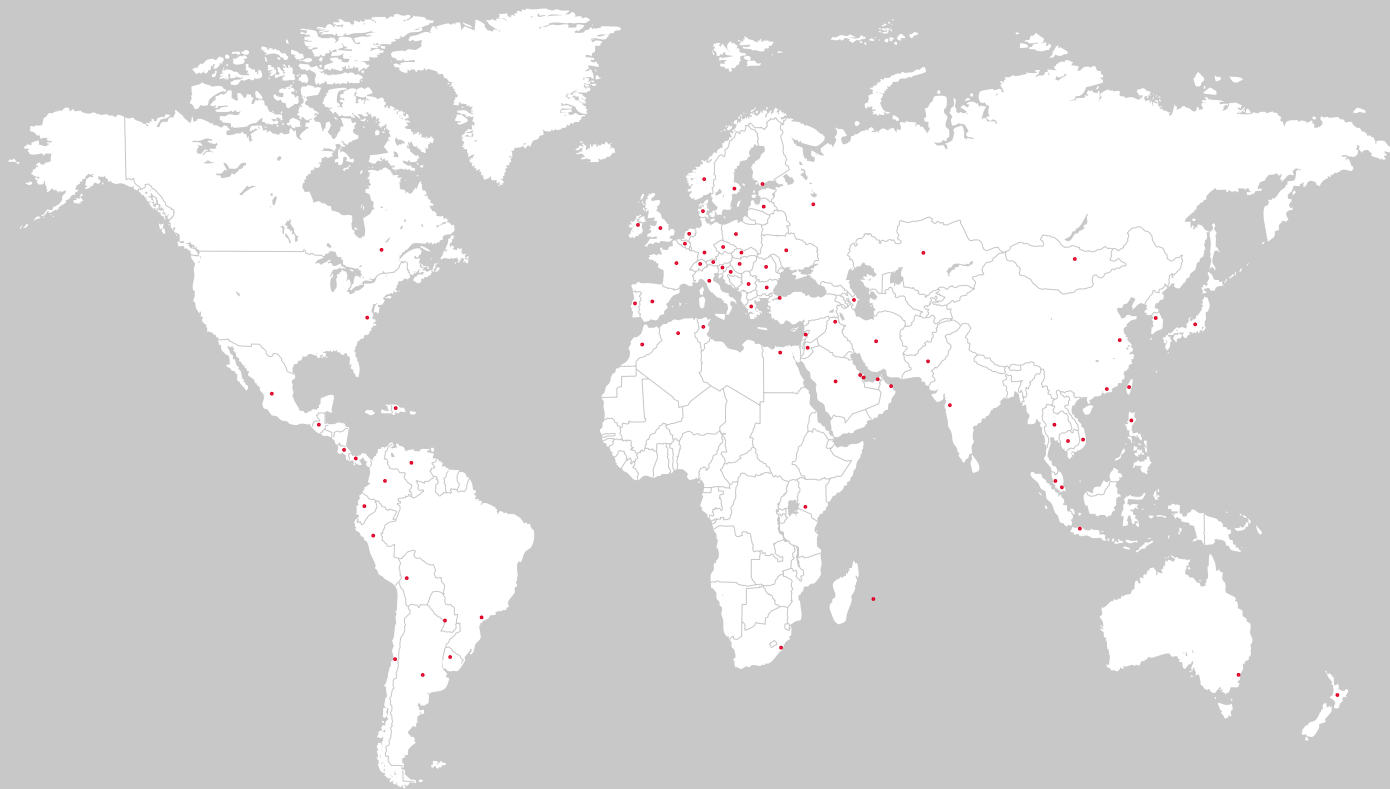


## TECHNICAL SERVICE

Sika Technical Service teams are located around the world, and are dedicated to providing best practice selection, validation and application of Sika materials. By being located close to our customers, Sika Technical Service can assure optimum local language communication and understanding throughout the technical application development process to ensure the best possible results.



# GLOBAL BUT LOCAL PARTNERSHIP



## FOR MORE INFORMATION:



[www.sika.com/textile](http://www.sika.com/textile)

### WHO WE ARE

Sika AG, Switzerland, is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, facades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply.  
Please consult the Data Sheet prior to any use and processing.



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