

# ENHANCED TECHNICAL TEXTILE SOLUTIONS



› *for a better life...*

› *for successful business...*



**GENTUĞ**  
Enhanced Technical Textile  
Solutions

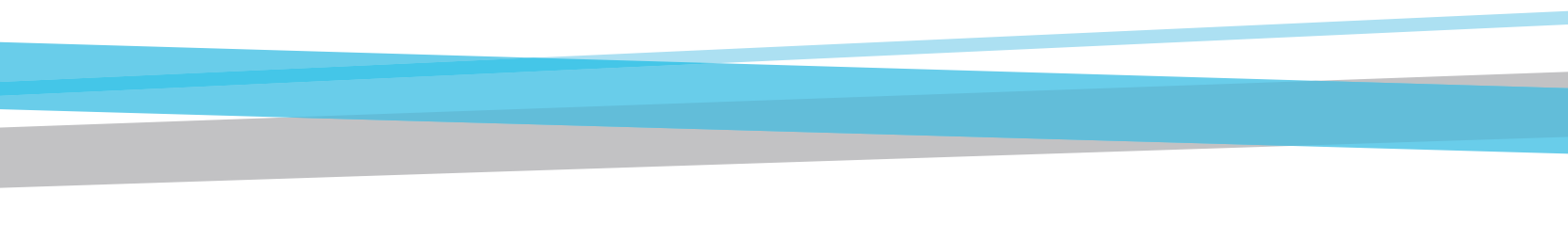


# ..we are playing a leading role in the rapidly growing Technical Textile Industry with our wide range of products...

Gentuğ Textile is the main and the most reliable technical textile manufacturer in Turkey, providing high quality products to the worldwide markets.

Gentuğ Textile entered into technical textile business in 1987 by trading and serving its customers as representatives of worldwide leading groups in the **Woven and Non-Woven Interlining Industry**. As a result of constantly updating and changing to suit new conditions, investing in new technology, applying the latest innovations in our business strategy, we have been playing a leading role in the rapidly growing Technical Textile Industry with our extensive range of products.

Being a manufacturer and reliable supplier of various types of technical textile products, we are well aware and capable of answering needs of today's market. Serving the perfect quality, quick and efficient operations, supplying tailored solutions to the industrial needs and continuous development are our main quality principles that are fully accepted by our well-educated staff.







With more than 33,000 m<sup>2</sup> closed production floor area, knitting, dyeing, finishing, raising, slitting and sewing departments followed by state of the art modern coating and lamination lines our capabilities cater to a wide range of areas such as: Home Textile, Medical Textile, Automotive, Technical Nonwoven Fabrics, High Performance Coatings & Laminations and Interlinings.

*Today, within our two main divisions and five product segments, we effectively combine our extensive expertise to provide enhanced technical textile solutions in all aspects of every day living.*

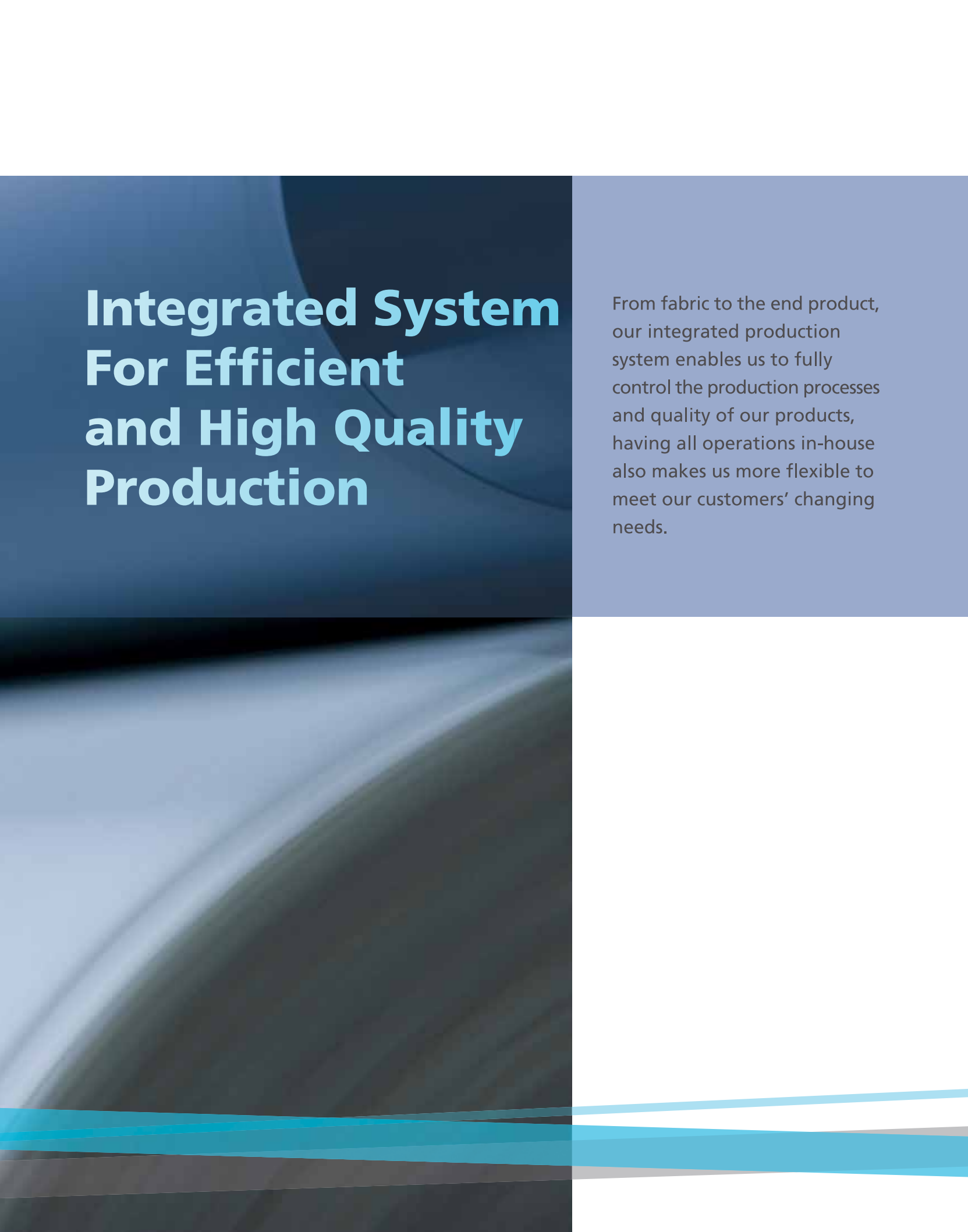
#### **MACHINE FACILITIES**

2 Hotmelt Lines 2.5 m working width, 2 Slotdie Lines 2.5 m working width, Double Dot Line 2.0 m working width, Direct Coating Line 2.5 m working width, Multi Roller 2.5 m working width, Foam Coating Line 2.5 m working width, Spray Coating line 3 m working width, 2 Needle Punching Lines 3.5 m working width, 1 Needle Punching Line 4.5 m working width, Thermobonded Nonwoven Line 2.5 m working width, Carpet Velour Line 2.5 m working width, Thermobonding Oven 3.0 m working width, Nonwoven Coating and Treatment Line 2.20 m working width.



With its two factories based in Gerede and Düzce, Gentuğ Textile has more than 33,000 m<sup>2</sup> closed production floor spaces and 250 employees in total.





# **Integrated System For Efficient and High Quality Production**

From fabric to the end product, our integrated production system enables us to fully control the production processes and quality of our products, having all operations in-house also makes us more flexible to meet our customers' changing needs.

# **In Addition To Our Wide Product Range,**

*we also offer our customers the chance of  
customizing their own products to meet their  
individual needs and requirements.*







While we appreciate that there is no fit-to-all product, Gentuğ Textile perfectly combines its corporate strength and industrial expertise in providing customers with the best possible solution to meet their own individual requirements.

With our innovative and solution-based approach we do not limit your choices with only specific products; we always offer the most flexible solutions.

# CONSUMER PRODUCTS

## + HOME TEXTILE

- Mattress Protectors
- Pillow Protectors
- Anti-Allergy Covers

## + MEDICAL TEXTILE

- Disposable Medical Sheets
- Medical Mattress Protectors
- Underpads and Draw Sheets
- Operation Gowns
- Medfix Fixation Tapes
- Chair Pads
- Adult Bibs
- Incontinence Underwear
- Wheelchair Accessories
- Easy Wipe Mattress and Pillow Protectors
- PVC Coated Fabrics

*With its two main divisions and five product segments, GENTUĞ TEXTILE effectively combines experience and innovation to provide enhanced technical textile solutions.*



# INDUSTRIAL PRODUCTS

## + TECHNICAL NONWOVEN FABRICS

- Cleaning Wipes
- Filter Media
- Automotive
- Geo Textiles
- Roofing Membranes
- Shoe Components

## + INTERLINING

- Thermobonded Nonwoven Interlining
- Stitched Bonded Interlining
- Woven Interlining
- Knitted Interlining
- Thermoadhesive Films & Nets

## + HIGH PERFORMANCE COATINGS & LAMINATIONS

- Raising
- Impregnation
- Heavy Impregnation
- Membrane
- S-B Silicone
- Polyurethane Coating
- PVC Coating
- Water Based Coating
- Solvent Based Coating
- Membrane Lamination









# WE PROVIDE ENHANCED TECHNICAL TEXTILE SOLUTIONS *for a better life.*

We help to improve the quality of life with our innovative technical textile solutions.

CONSUMER  
PRODUCTS



*“A professional touch for perfect sleep.”*

## + HOME TEXTILE

WE HELP TO CREATE A HEALTHY AND COMFORTABLE SLEEP ENVIRONMENT WITH OUR ENHANCED HOME TEXTILE PRODUCTS.

- Mattress Protectors
- Pillow Protectors
- Anti-Allergy Covers







## Mattress and Pillow Protectors

All our mattress and pillow protectors are designed to provide the perfect sleep environment, while protecting from allergens and irritants such as dust mites and bacteria, our breathable and waterproof bedding will always ensure you have a good nights sleep.

We offer a wide range of mattress and pillow protectors in a variety of fabrics such as Bamboo, Cotton, Polycotton, Terry etc... In all sizes for every market, be it the Americas or Europe.

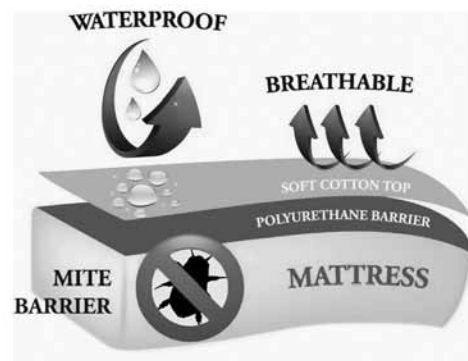
We also have standard qualities with our own brand names **Caress, Medfix, Flancy** and **Yumos**. These are mattress covers that are made from: Terry, 100% Cotton and Double Jersey fabrics laminated with PU membrane which makes it breathable and waterproof.

All of our branded qualities have the Oeko-Tex CERTIFICATE with no 03.T.3129FI Hohenstein.

## Anti-Allergy Covers

House dust mites are microscope bugs that primarily live on dead skin cells regularly shed from humans and their animal pets. Dust mites are harmless to most people. They do not carry diseases, but they can cause allergic reactions in asthmatics and others who are allergic to their feces. Depending on the person and exposure, reactions can range from itchy eyes to asthma attacks.

Gentuğ's range of anti allergy fully enclosed mattress and duvet covers accompanied with pillow protectors provide ultimate protection against allergy causing bacteria and dust mites. Our anti-allergy covers are enhanced with breathable, waterproof polyurethane membrane and Sanitized silver protection leaving no chance to dust mites and bacteria.





*“High quality standards in professional care fabrics.”*

## + MEDICAL TEXTILE

OUR VAST RANGE OF PROFESSIONAL MEDICAL TEXTILE PRODUCTS AND YEARS OF EXPERIENCE IN THE INDUSTRY HELP US MAINTAIN OUR POSITION AS A PARTNER OF CHOICE IN MEDICAL INDUSTRY.

- Disposable Medical Sheets
- Medical Mattress Protectors
- Incontinence Underpads and Draw Sheets
- Operation Gowns
- Fixation Tapes
- Chair Pads
- Adult Bibs
- Incontinence Underwear
- Wheelchair Accessories
- Easy Wipe Mattress and Pillow Protectors
- PVC Coated Fabrics



All the experience we have gained over the years working with breathable and waterproof coatings, as well as laminations we have used in creating solutions for a better and stress free life for incontinence sufferers. Our product range allows you to experience a hygienic, confident and most important comfortable protection day and night.

With our specially designed breathable and waterproof incontinence underwear you can enjoy discrete and safe protection all day round. Our range of mattress protectors and absorbent bed pads give you the chance of choosing what best meets your individual needs. Our wheelchair and chair pads with their high performance make you feel safe and confident anywhere you go. To complete our line we offer a wide collection of adult bibs in different colors and closure options.

We have not forgotten the allergy sufferers as well. Our anti-allergy bedding system with fully encapsulated mattress protection accompanied by fully zipped pillow and duvet protectors allow you to enjoy an allergy proof, healthy and comfortable nights sleep.

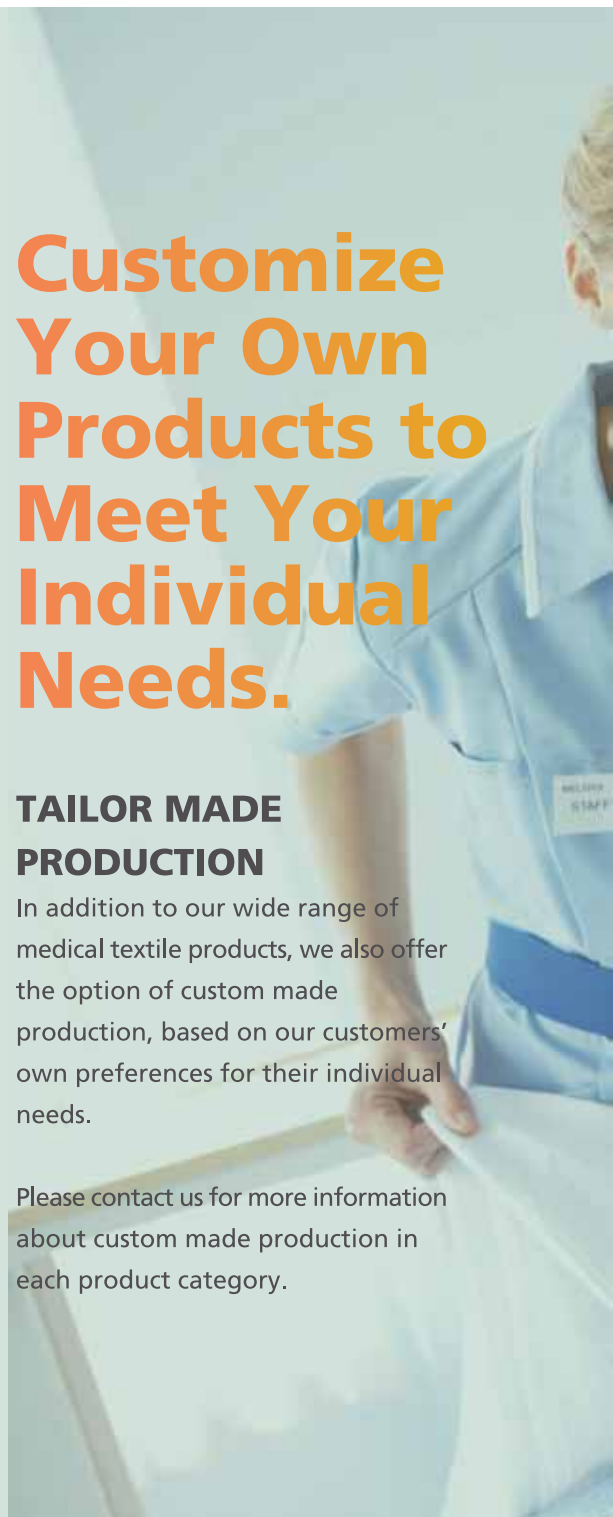
On the institutional side we cater to nursing homes, hospitals and industrial laundries with our range of wipeable PU mattress protectors, OP-gowns, mattress protectors and bed pads designed to withstand heavy industrial washing cycles.

# Customize Your Own Products to Meet Your Individual Needs.

## **TAILOR MADE PRODUCTION**

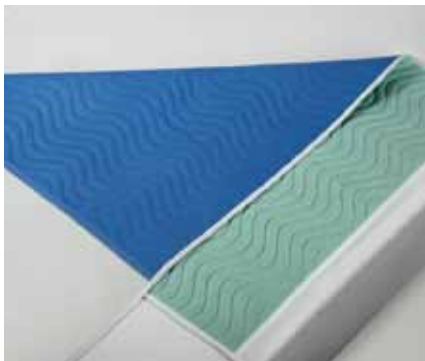
In addition to our wide range of medical textile products, we also offer the option of custom made production, based on our customers' own preferences for their individual needs.

Please contact us for more information about custom made production in each product category.









## Disposable Medical Sheets

Disposable Medical Sheets in nonwovens technology have improved barrier protection and comfort for single-use, disposable protective garments.

Gentuğ Textile continues to offer the global marketplace high performance medical laminate fabrics for single-use gowns and drapes. The multi layer laminations and coatings in our range provide excellent barrier protection and comfort.

## Medical Mattress Protectors

Our breathable and waterproof medical mattress protectors are particularly designed for hospital use. Our mattress protectors give excellent performance under the heavy and demanding hospital conditions making life easier for the hospital staff and patient. With waterproof, stain proof, breathable, wipe cleanable, antibacterial and anti allergic properties our durable mattress protectors cater specifically to needs of today's hospital environment.

We have an extensive range of medical mattress protectors in various types, fabrics and sizes for different needs.

We also have standard qualities with the brand names Flancy, Caress and Fullcover. These are medical mattress covers that are made from 100% Cotton, Terry and Polyester fabric laminated with PU membrane which makes it breathable and waterproof without compromising on healthy and comfortable sleep.

All of our branded qualities have the Oeko-Tex CERTIFICATE with no 03.T.3129FI Hohenstein.



*“Perfect innovation  
for an excellent  
comfort.”*

## **Incontinence Underpads and Draw Sheets**

We are well aware of the needs and expectations of incontinence sufferers and make every effort to deliver quality, high performance, comfortable and dependable underpads and draw sheets. In addition to hospitals, underpads and draw sheets are also perfect for household, nursing homes and baby/day nurseries.

We have also standard qualities in these product categories with the brand names of ABSO, Caress, Flancy and Micro. ABSO is currently used by the National Health Service in the United Kingdom and has the Hilfsmittelnummer in Germany.

All of our branded qualities have been awarded the Oeko-Tex CERTIFICATE with no 03.T.3129FI Hohenstein.

### **ABSO**

ABSO is a high performance, reusable underpad containing functional layers laminated to each other. The first layer of ABSO is made of highly technical yarns that transfer the unwanted liquid from the top layer to layers below very quickly, leaving the top layer dry within a few minutes so that the person lying on it doesn't feel uncomfortable. The liquid is transferred and then trapped between the lower layers and penetration of any liquid to the mattress is avoided.

ABSO can be washed and reused many times helping to decrease the burden on environment.

ABSO is a perfect innovation especially for incontinence care. It protects both patient and the mattress.





## Operation Gowns

We are producing high quality operation gowns for surgeons. The gowns are antistatic due to the silver yarn used in the manufacturing process. This perfectly reduces the stress on the surgeon during the operation. The gowns can be autoclaved and are protected with antibacterial treatment.

### Our Precision Medical Gowns are;

- Antibacterial
- Antistatic (Silver fibers)
- Breathable (Polyurethane membrane lamination)
- Can be autoclaved
- Can be washed and reused many times
- And decreases the cost in the long run because it's reusable

## Medfix Fixation Tapes

With its antibacterial and hypoallergenic properties, Medfix Fixation Tape is perfect for sensitive skins. Micro pores enable the skin to breath and does not cause any irritation.

## Chair Pads

- The Padded surface provides a layer of comfort to any seating surface.
- Black terry fabric used as a backing along with colored wrinkle and shrinkage free bindings add an elegant look.
- The Absorbent inner layer provides effective fluid containment.
- Breathable and Waterproof PU membrane barrier does not allow perspiration.
- Various sizes available.

## Adult Bibs

- The absorbent terry fabric covers a large surfaces area and offers protection against any spillage.
- An impermeable barrier protects clothing from fluid penetration.
- Attractive, unisex colors/patterns with a variety of closures cater to all specifications.
- Antibacterial and anti allergic.





## Reusable Incontinence Underwear

Pull on style moisture-proof incontinent pants, secure and leak-proof.

- Pull on style for easy on/off.
- Moisture-proof
- Constructed of 100% soft and quiet polyester or with a cotton body fabric with waterproof and breathable PU Membrane laminate.
- Elasticated waist and legs help prevent leaks.
- Latex free.
- Can be worn over diapers and undergarments.
- Designed for both men and women.



## Easy Wipe Mattress and Pillow Protectors

Easy Wipe™ as stated in the name is a wipe down cleanable product and it is a complete barrier for blood, infusion liquids and urine.

Easy Wipe™ is made of PU coated highly stretchable polyester jersey fabric. Total weight ranges from 120g/m<sup>2</sup> to 300g/m<sup>2</sup>. Easy Wipe™ is FR treated to the British Standards 7175. Easy Wipe™ is washable at 95 °C, autoclavable and tumble dryable. Easy Wipe™ is antibacterial, anti fungi and anti dust mite.

The polyurethane coated bi-stretchable (stretchable in both directions) jersey fabric with the special finishing eliminates the risks of micro wrinkles thus the threat of decubitus wounds.

The fabric reacts to the movements of the flexible foam mattress and the patient simultaneously, thus eliminating the decubitus risk.

Maybe the most important characteristics of the Easy Wipe™ are breathability and vapor permeability (both are natural characteristics of PU); eliminating the chances of sweating and dew formation on the mattress protector. The mattress protector is at least 100 times washable.





**WE PROVIDE ENHANCED  
TECHNICAL TEXTILE SOLUTIONS**  
*for a successful business.*

We help our customers to be more successful through innovative technical textile solutions which add value to their businesses.

**INDUSTRIAL**  
PRODUCTS





*“With our versatile production capabilities we keep developing new products to the new industries and individual business needs.”*



# **+ TECHNICAL NONWOVEN FABRICS**

- Cleaning Wipes
- Filter Media
- Automotive
- Geo Textiles
- Roofing Membranes
- Shoe Components



## **Cleaning Wipes**

Cleaning the kitchen floor or dusting furniture will probably never make it to the top of most people's weekend activity lists, but Gentuž is aiming to make these mundane tasks easier. By offering impregnated or simple nonwovens-based disposable wiping products, Gentuž is hoping to make our consumers' lives more pleasant. Our products make the process of cleaning a home quicker, leaving more time for more pleasurable experiences. Gentuž is offering a wide range of products either fully packaged or in rolls.

Suitable for household cleaning, washing tiles, bowls and desks.



## Filter Media

### NONWOVEN NEEDLE FELT

Nonwoven needle felts are the main material of filter bag. Gentuğ needle felts are excellent for gas filtration and dust collection, as well as liquid/solid separation. They are extensively used in blast furnace gas, cement plants, metallurgy, chemical plant, foodstuff, architecture, etc.

### ANTI-STATIC NEEDLE FELT

Most industrial dust wills blast when they meet the static discharge if its content comes to a certain extent. This brings on the explosion and fire. For example, the dust in flour, chemical and coal industries are of this kind. So in the de-dusting application of this case, the dust should be collected with special dust bags which are anti-static.

Gentuğ absorbed the advanced technologies and developed the anti-static needle felts and cloths. They can meet the special demands of the dust collection of blast furnace gas and coal gas in the cement industry.

Our anti-static products have been authorized.

### HYDROPHOBIC & OLEOPHOBIC FELT

In the filtration process of the filter bag, the dust is very easy to adhere to the bag if the content of moisture and oil in the gas is high. This is helpful to the dust collection, however at the same time makes the clean difficult. Moreover, the dust will jam the finestra of the bag and corrupt the material which increases the flow resistance. Gentuğ solves the problem by developing a new cloth. This innovative product is hydrophobic & oleophobic.

### POLYPROPYLENE (PP) NEEDLE FELT

Benefits from the good physical and chemical characteristics of polypropylene, the PP felts are wearable, acid & alkali resistant and have good air permeability. So they are usually used in the strong acid and alkali conditions. Besides the dust collection application, PP needle felts are also used in the liquid filtration processes.

### HI -TEMPERATURE RESISTANT FELT

Our hi-temp resistant felt are used in the following applications: Asphalt, ceramic, metal, refuse incinerators, cement & lime, coal, power plants, waste recycling, etc.





OUR PRODUCTS ARE USED  
IN THE FOLLOWING  
APPLICATIONS:  
**Head liners, parcel shelf, trunk  
floor, trunk trim, main floor  
carpeting and etc.**

## Automotive

Gentuğ manufactures a vast array of products for the automotive industry over a decade.

Our affinity to follow strict guidelines and procedures assures standardized quality. We put a high value on the traceability of the production. From raw material entry to final goods delivery, each process of the production is checked and documented by our in-house professional quality management team comprised of Quality Assurance Manager and Quality Inspectors.

Our knitted, nonwoven fabrics or coated and laminated products offer a wide range of application possibilities in the automotive industry.

Nonwoven materials for automotive industry meet all the customers' demands, such as:

- Attractiveness
- Durability
- Mouldability
- Fire resistance
- Oil- and grease resistance, water repellency



## Roofing Membranes

There's something quite soothing about coming in out of the rain and seeking refuge in a nice, dry home. Using products from **the Gentuž Roofing Membranes®** range you'll be wrapping your home in a protective envelope as a secondary defense against water, moisture and air infiltration. Properly installed, this will help to create a drier, warmer and healthier home. To ensure your home has superior protection from the elements, make sure it is built using products from **the Gentuž Roofing Membranes®** range.

With leaky buildings and low quality construction so common, some new homes fail to keep the weather out. **The Gentuž Roofing Membranes®** range offers numerous options to assist in addressing this increasingly important issue.

## Geo Textiles

Gentuž nonwoven geo-textiles are made from the highest quality polyester and polypropylene fibers and are needle-punched to form a dimensionally stable fiber network.

Our line of Geotex nonwoven products includes subsurface drainage fabrics, separation fabrics, stabilization fabrics and fabrics for erosion control and cushioning. Whether used in roadways, railroads or landfills, our nonwoven geo-synthetic solutions can add years to the life of your project.





## Shoe Components

With Gentuğ's coating possibilities and needle punched nonwoven technology platform, we've got the built-in capability to design, engineer, and manufacture footwear components to meet your toughest challenges. Insoles, Feltpack, Thermofit, Structural Applications

- **Optimize costs:** competitive pricing, better quality, satisfied customers.
- **Develop footwear for all-weather comfort:** extend your product range when you want, how you want
- **Stay fashion-forward:** stronger brand equity in a shifting market

### BREATHABLE FILMS:

Microporous, waterproof, breathable membrane.

#### WHAT ARE BREATHABLE FILMS?

They are an ultra light microporous, PU membrane which thanks to its peculiar microstructure does not allow water penetration, but does allow free passage of water vapor, such as perspiration. Furthermore it is totally windproof maintaining its extraordinary properties at the lowest temperatures.

#### WHAT ARE BREATHABLE FILMS FOR?

They have the facility to make waterproof, windproof and yet breathable several different outer materials used in the shoe market, such as city, comfort, sport and protective shoes, improving the comfort.

#### HOW TO USE BREATHABLE FILMS?

As an interlining: loose or combined to upper material. The combining process has to be done PUR microdots, in order to maintain the breathability.

### CURRENT APPLICATIONS

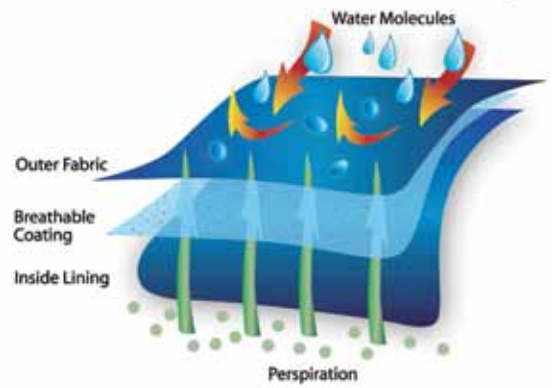
#### FELTS, INSOLES, LININGS AND MORE FOR:

- Insulated boots for extreme cold
- Fishing waders
- Hiking boots
- Sport, golf and bowling shoes
- Safety shoes and boots
- Walking shoes
- Dress shoes
- Slippers
- Military and institutional boots
- Bi-elastic, PU membrane laminated-breathable barrier fabrics for PU-Injection Boots.
- Your product





## The Ultimate in Breathability







*“We make it possible!”*

# **+ HIGH PERFORMANCE COATINGS & LAMINATIONS**

“FASTER, HIGHER, STRONGER” AND BETTER, IS ONLY POSSIBLE THROUGH HIGH PERFORMANCE COATINGS AND LAMINATIONS. FROM BREATHABLE MEMBRANE LAMINATIONS TO ALUMINUM HEAT RESISTANT COATINGS. OUR LIMITS IN THIS FIELD IS YOUR IMAGINATION.

- Raising
- Impregnation
- Heavy Impregnation
- Membrane
- S-B Silicone
- Polyurethane Coating
- PVC Coating
- Water Based Coating
- Solvent Based Coating
- Membrane Lamination



#### **RAISING**

Fibers on one or both sides of the fabric surface are raised to give a soft touch.

#### **IMPREGNATION**

Impregnation used mainly for protective clothing. Impregnation increases water and oil resistant behavior of the fabric.

#### **HEAVY IMPREGNATION**

Water and oil resistant impregnation; Hydraulic test; used for protective clothing with highest performance for non wetting properties.

#### **MEMBRANE**

Membranes for protective clothing (e.g. firemen) assure, that no water can penetrate the clothing from outside to inside; at the same time the membrane has good porosity, i.e. vapor (body perspiration) can penetrate through the membrane to the outside.

#### **S-B SILICONE**

Comparable to a barrier against water and chemicals; penetration of humidity not possible from either side.

#### **POLYURETHANE COATING**

Similar to silicone coating on PU basis.

#### **PVC COATING**

Comparable to a barrier against water and chemicals;

penetration of humidity not possible from either side; PVC coating has no breathing properties.

#### **WATER BASED COATING**

Barrier coatings on knitted, woven and nonwoven fabrics with water based coating agents.

#### **SOLVENT BASED COATING**

Barrier coatings on knitted, woven and nonwoven fabrics with solvent based coating agents.

#### **MEMBRANE LAMINATION**

Protection against liquids; vapor can penetrate through the membrane: transparency; flexible up to a temperature of 95°C: resistant against oil; high flex resistance, high tensile strength and abrasion resistance.

### **THE COATING AND LAMINATING POSSIBILITIES OF GENTUĞ TEXTILE ARE AS FOLLOW:**

2 Hotmelt Lamination lines 250 cm working width, 2 Slotdie lines 250 cm working width, Multiroller 250 cm working width, 2 Foam, Knife and Screen Coating line (water and solvent based coatings) 250 cm working width, Double Dot Coating Line 200 cm working width, Scatter Dot Coating Line 200 cm working width, Paste Dot Coating Line 250 cm width.



*“An invisible touch to the fashion business”*

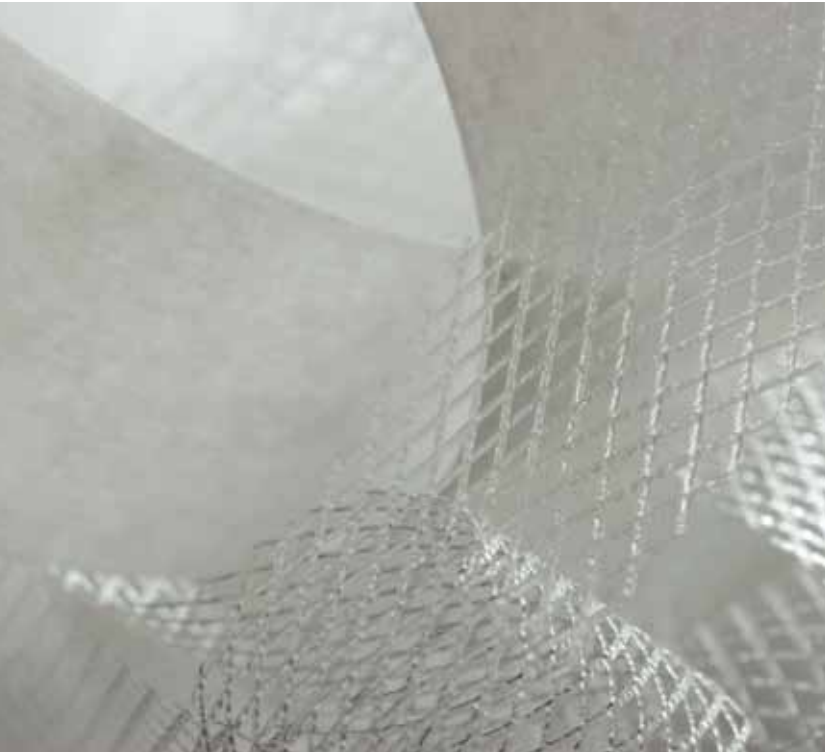


## **+ INTERLINING**

WITH OVER 90 YEARS OF EXPERIENCE AND CUTTING EDGE TECHNOLOGY, GENTUĞ TEXTILE IS ONE OF THE BIGGEST INTERLINING MANUFACTURERS IN TURKEY.

- Thermobonded Nonwoven Interlining
- Stitched Bonded Interlining
- Woven Interlining
- Knitted Interlining
- Thermoadhesive Films & Nets





As a leading supplier, we offer wide range of high quality interlinings which serves various needs of textile and fashion industry. Our main interlining groups are:

- Thermobonded Nonwoven Interlining
- Stitched Bonded Interlining
- Woven Interlining
- Knitted Interlining
- Thermo Adhesive Films & Nets







# We Transform The Needs To Satisfaction.

## Quality Policy and Certificates

With the mission of providing enhanced technical textile solutions to our customers' needs, we always keep trying to improve the total quality of business that transforms the needs to satisfaction.

This is our main quality standard which can be achieved by only having full customer satisfaction.





For more information about  
our products, please visit:

**[www.gentug.com](http://www.gentug.com)**

# ENHANCED TECHNICAL TEXTILE SOLUTIONS

*“for a better life”*

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