



HEYtex®

www.heytex.com



**CLIQUEUM
PREMIUM RANGE**

TEXINEERING®
Discover textile solutions
for technical applications.

TEXINEERING® - HEYtent clipeum

TEXINEERING® = TEXTILE MEETS ENGINEERING

Behind the scenes

Sound insulation value

Sound insulation is becoming increasingly important in connection with tents, especially when it comes to structures that are planned in residential areas. According to empirical estimates by the Fraunhofer Institute, the rated sound insulation index R_w of a single-layer membrane is 12 dB for a basis weight of 650 g/m^2 , 14 dB for a basis weight of 900 g/m^2 and 15 for a basis weight of 1100 g/m^2 dB. Multi-layer constructions can have higher sound insulation.

U-value (heat transfer coefficient)

HEYtent membrane is described in DIN 4946 and has a U-value of 5.8. This value applies regardless of the thicknesses between 0.5 and 1mm. The U-value can be increased significantly by using multi-layer constructions.

Solar radiation

Sunlight is divided into UV, visual and energetic radiation according to wavelengths. In order to achieve the optimal interior the planner needs to take into account which type of light passes through the fabric:

- UV light → harmful radiation
- visual light → illumination
- energetic light → warmth

These types are measured according to DIN EN410 and ASTM G173 / E903 standards in terms of transmittance, absorption and reflection. Together with the fabric's U-value, this data results in the so-called g-value (total energy from transmittance and radiant heat). This g-value, combined with the total tent surface and the intensity of the sun in the area it will be built, can be used to control and manage the climate within a tent.

Elongation

During the normal production process of tent material, constant tension is applied in the warp direction, however yarns are not usually under tension in the weft direction which can lead to shrinkage problems. Thanks to the tenting frame technology used by Heytex, the fabric is coated with a uniform tension in both the warp and weft directions. As a result, the HEYtent materials have a much more homogeneous material behavior in warp and weft direction. Force-strain diagrams and biaxial tests provide exact information and can be used as a basis for planning.

„HEYslip“ coating

„HEYslip“ coating provides a superior slip behavior with our keder materials while providing increased protection against soiling and moisture absorption. This ensures that the finished keder slides perfectly in the rail and permanently meets the requirements in terms of appearance, expansion behavior and service life.

Permanent awareness

Project execution

Heytex® fabrics are engineered to be easily welded with either HF or a hot air process. The material is designed to be foldable but does require expert handling during the fabrication process, packaging, installation and proper tensioning of the surface to yield the desired look.

Project performance is critical and should be one of the key elements in all stages. Heytex® fabrics are engineered for durability and to ensure proper performance.



Product Overview

Performing material

HEYtent clipeum materials are high-quality polyester fabrics, coated with long-lasting PVC formulas and a premium acrylic lacquer. Extensive planning support, a 7-year general warranty and a wide choice of products suitable for various applications further characterize the range.

Clipeum – Premium tent fabric

Material composition	Standard	Unit	clipeum 650 H5871	clipeum 900 H5873	clipeum 850 BLO H5571-BLO	tentalux 650 translucent H6671	clipeum 1100 inflatable H3571	keder pan 550 H5534	keder 2200 BLO H5036	keder 2200 PU H4534
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MATERIAL COMPOSITION

Finish			acrylic lacquer	acrylic lacquer	acrylic lacquer	acrylic lacquer	acrylic lacquer	acrylic lacquer	acrylic lacquer one side	PU lacquer one side
Base fabric	DIN ISO 2076		Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
Yarn construction		No/cm	8/8	12/12	8/8	8/8	12/12	12/12	18/18	18/18
Yarn count	DIN EN ISO 2060	dtex	1100/1100 plain 1-1	1100/1100 plain 2-2	1100/1100 plain 1-1	1100/1100 plain 1-1	1100/1100 panama 2-2	1100/1100 panama 2-2	1100/1100 panama 2-2	1100/1100 panama 2-2
Weight	DIN EN ISO 2286-2	g/m ²	650	900	850	650	1100	550	750	720

MECHANICAL PROPERTIES

Tensile Strength (w/f)	DIN EN ISO 1421-1	N/5 cm	2900/2800	4500/4200	2900/2600	2500/2500	4200/4000	4500/4200	6500/6000	6500/6000
Tear resistance (w/f)	DIN 53363	N	300/300	650/550	300/290	250/250	550/500	650/550	1050/950	1050/950
Adhesion	IVK 3.13	N/5 cm	140	160	110	110	130	140	140	140
Crack resistance	DIN 53359 A	No	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

PHYSICAL PROPERTIES

Translucency	PA 2001-41	%	17	12	0	42	7	20	0	15
FR	Classification		DIN 4102-1 B1	DIN 4102-1 B1	DIN 4102-1 B1	DIN 4102-1 B1	DIN 4102-1 B1			
Temperature resistance	DIN EN 1876-1 IVK 3.5	°C	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70
Width		cm	250-300-320	250-300-320	250-300-320	250-300-320	up to 218	up to 218	up to 218	up to 218

Further items, colors and specifications on request. Product information without legal binding. Subject to alterations without prior notice; errors including printer's errors. The product is subject to fluctuations. Certain data are rounded up to the nearest full value.



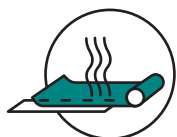
Flame retardancy

Tested and certified according to international standards for absolute safety.



UV and weather resistance

UV stabilizers guarantee a reliable resistance acc. to approved DIN standards, designed for durability and color fastness.



Weldability

Weldable with all common welding processes like hot air, heating wedge or HF.



Durable

Tested and certified according to international standards for a long service life.

Cleaning and care

Membrane material made of PVC-coated polyester fabrics provides protection against pollutants such as wind, sun, rain, microorganisms, dust and other pollutants. Regular inspection and cleaning of material will extend the life and improve the functionality.

Inspection and cleaning intervals depend on various factors such as weather, air pollution and construction of the structure. We recommend visual inspections of the membrane at least every 6 months. If necessary, cleaning should be carried out according to „HEYinformed Cleaning & Care“ (www.heytex.com/en/service/media-center/) or „IVK instructions for handling coated, PVC-coated polyester fabrics“.



Select your product

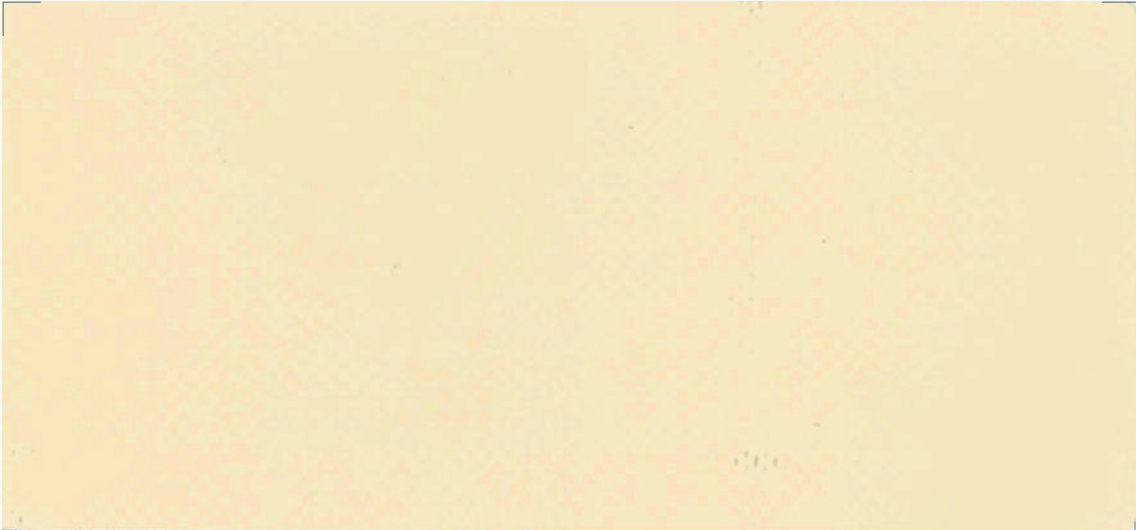
CLIQUEUM 650 | H5871 | 650 g



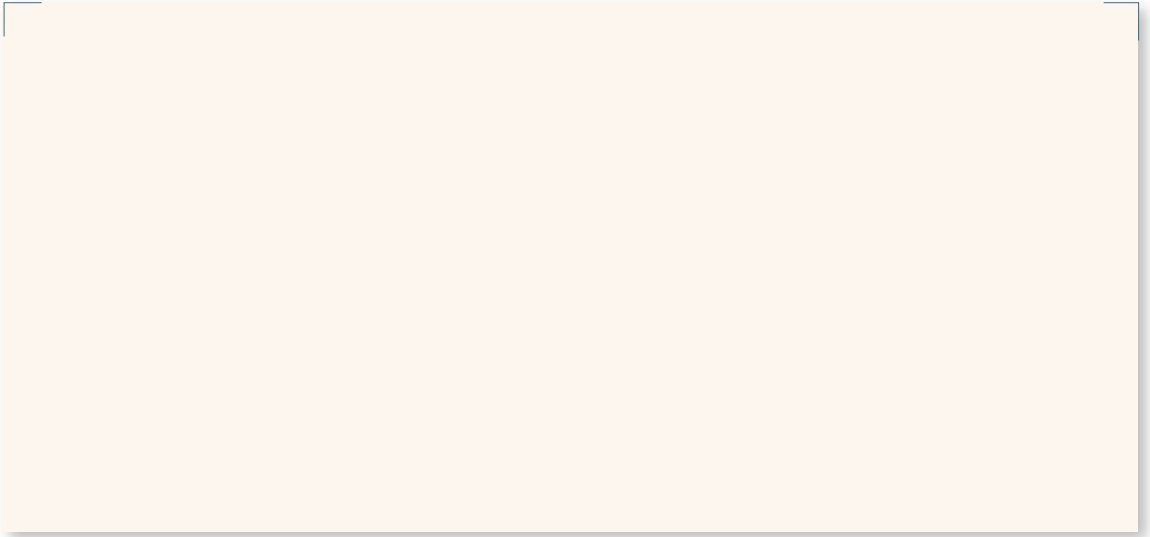
CLIQUEUM 900 | H5873 | 900 g



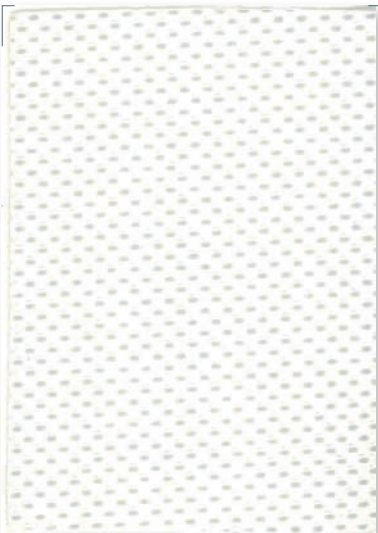
Clipeum 850 Blockout | H5571-BLO | 850 g



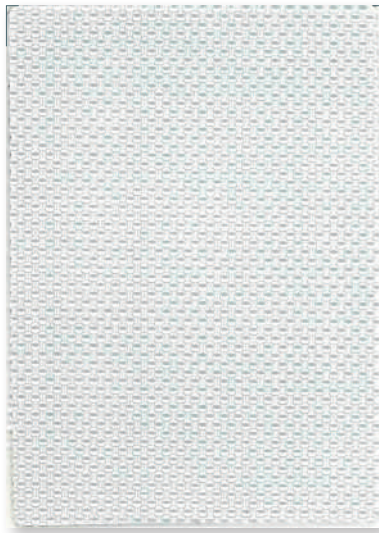
TENTALUX 650 translucent | H6671 | 650 g



CLIQUEUM 1100 inflatable | H3571 | 1100 g



keder pan 550 | H5534



keder 2200 BLO | H5036



keder 2200 PU | H4534



Why Heytex

Know-how

As an innovation leader we offer materials of the highest quality standard perfectly suited for your scope of use.

Experience

As a pioneer in the tent sector we have over 20 years of experience in multi-level projects.

Consulting

We work with experts in many different fields and can provide assistance throughout your project demands.

Commitment

High quality does not happen overnight. Our standards for materials and processes as well as our willingness to be a partner is and will always be a part of our success.

Specific textile solutions

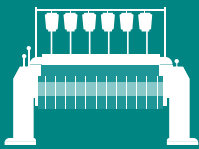
From yarn to high-tech fabric

Comprehensive, innovative, reliable and endless possibilities! Heytex® technical textiles are among the most powerful solutions in the market. The spectrum of demanding heavy duty fabrics are as unique as the end use applications.

Weaving and coating: Heytex is proud of the expertise and continuous development of sophisticated materials for a multitude of end use applications. Our experience makes us a global leader in the production of technical textiles, which requires great care and precision.

100 years of experience in the research, development and manufacturing of technical textiles is reflected in our quality of products. Continuous improvement, highest flexibility and constant innovation is the only way to anticipate and answer new market trends and always stay one step ahead of the game. You have the idea, we have the proper material!

1. Weaving 2. Coating 3. Inspection 4. Dispatching 5. Installation



weaving & knitting machines up to a width of 540 cm



mixing, calendar, knife and dip coating as well as hot & cold lamination



in-house R&D, immediate and constant visual inspection, quality control



robust packaging acc. to customer demand



best in customer service & dedicated staff

Heytex

Innovation with know-how

Each product is unique and important to us! Therefore, we have in house experts with technical competences helping to develop the right product for each end-use application.

Knowledge, experience and the right trend analysis makes us specialists for coated fabrics that make your projects a success.



Application expertise

Global long term partner

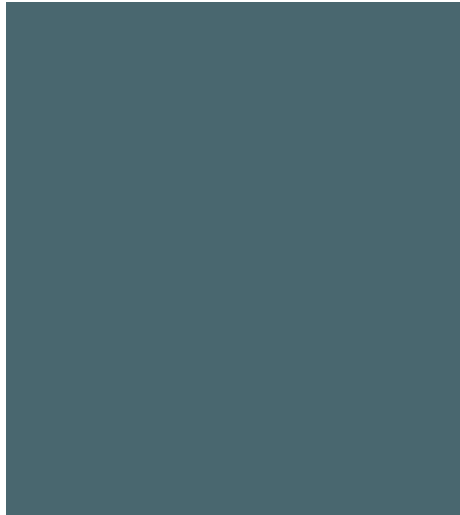
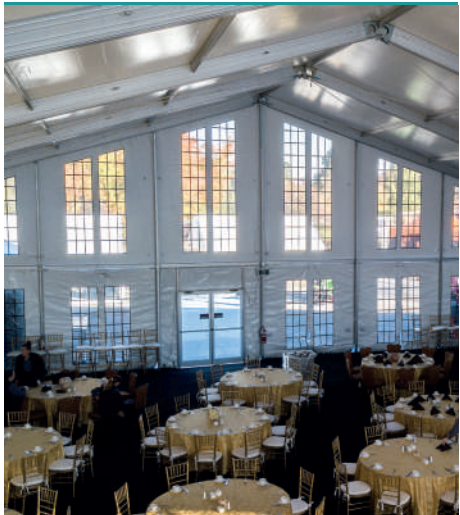




Heytex USA Inc.
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 Heytex Neugersdorf GmbH
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DO YOU HAVE QUESTIONS ABOUT OUR PRODUCTS?
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