

Three new ANTI HEAT textiles

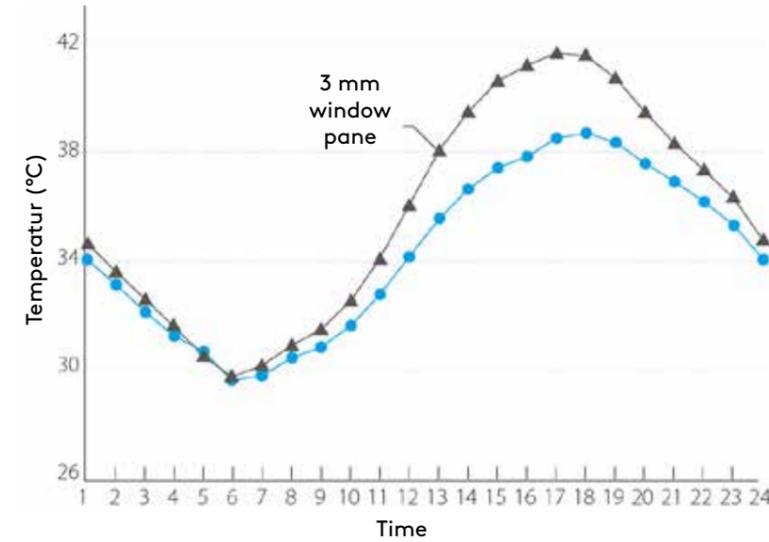
ANTI HEAT I – III are three new technical textiles which offer protection from glare, UV rays and heat. Reducing incident light is particularly important for screen work because lower levels of glare and contrast are less tiring for the eyes. Thanks to their special metal coating, Christian Fischbacher's ANTI HEAT fabrics reliably reflect sunlight, thereby reducing glare and light reflections inside the room. The reduction of UV rays prevents color-fading of the interior and the reflecting sun rays provide protection from outside prying eyes.

The nano-coated materials absorb infrared rays and thereby reduce room temperature



Temperatures reduced by 2 °C

With their metallic coating, ANTI HEAT textiles help to regulate indoor temperature by repelling UV and infra-red rays. In tests, ANTI HEAT fabrics were shown to reduce indoor temperature by about 2 °C. The application of ANTI HEAT curtains thus increases the efficiency of air conditioning systems and contributes towards lower energy usage.



Black curve: room temperature without ANTI HEAT curtain, 3 mm window pane

Blue curve: thanks to the ANTI HEAT curtain, the room temperature is lowered by 2° C on average



Applications

Christian Fischbacher's ANTI HEAT fabrics are flame-retardant and fulfil the requirements for use in public buildings. They can thus be used in offices and public places such as museums, clinics and hotels, but also in private homes. The collection complements Christian Fischbacher's existing portfolio of fabrics which offer protection from glare, UV rays and heat – ARBATAX, REFLECT and SAKURA.

The field of application is versatile and ranges from offices to public facilities such as museums, clinics and hotels to private living spaces.



Benefits



- Curtain fabric
- Glare, UV and heat protection
- Flameretardant (certifications B1, M1, Classe 1)
- Ideal for screen work
- Less glare, less eye fatigue
- Reflection of sunlight
- Reduction of glare, mirroring and light reflections
- No color-fading of the interior thanks to UV protection
- Privacy screen
- Reduced energy consumption (air conditioning)
- Soft flowing
- Washable
- Available in 3 colors each
- Composition: 100% PES
- Width: 300 cm



Anti Heat Results

Name	Anti Heat I 14651			Anti Heat II 14652			Anti Heat III 14653		
	105	107	115	205	207	217	305	307	317
Infrared reduction rate	63.5%	61.5%	64.9%	52.1%	52.0%	49.6%	57.6%	61.0%	56.6%
UV reduction rate	69.6%	67.3%	71.8%	56.3%	56.3%	55.6%	60.0%	61.2%	59.8%
Light Transmission $T_{v, n-h}$	36.9%	39.1%	33.7%	50.8%	44.7%	46.6%	38.8%	39.0%	36.9%
Reflected Light Transmission $P_{v, n-h}$	22.3%	20.9%	20.4%	15.8%	16.8%	13.2%	15.8%	16.0%	15.7%
Light Absorption α_v	40.8%	40.0%	45.8%	33.4%	38.5%	40.2%	45.4%	45.1%	47.4%
UV Transmission T_{uv}	34.9%	37.3%	34.4%	47.7%	42.6%	46.1%	37.6%	38.0%	36.8%
Reflected Solar Transmission $T_{e, n-h}$	37.3%	39.9%	36.9%	51.0%	45.4%	49.1%	38.9%	39.2%	37.7%
Solar-Reflexionsgrad $P_{e, n-h}$	22.2%	21.0%	21.2%	16.0%	17.2%	14.0%	15.9%	16.3%	16.7%
Solar Absorption α_e	40.5%	39.1%	41.9%	33.0%	37.5%	36.9%	45.2%	44.5%	45.6%

02/21



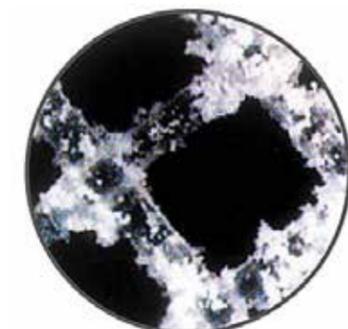
Anti Heat I 14651



Anti Heat II 14652

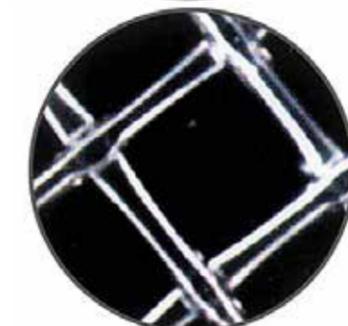
Soft flowing, anti-static and easy to clean

The patented nanotechnology used for the metal coating makes ANTI HEAT fabrics extremely functional. Thanks to the very thin coating the fabrics retain their flexibility and their soft, flowing drape. They are anti-static, meaning they do not attract any dust. And they can easily be laundered in the washing machine.



The ANTI HEAT collection is anti-static and therefore does not attract dust.

Top: Normal fabric



Bottom: dust does not adhere to patented metal coating

Anti Heat Fabrics

Christian Fischbacher

ST. GALLEN - SWITZERLAND
EST. 1819