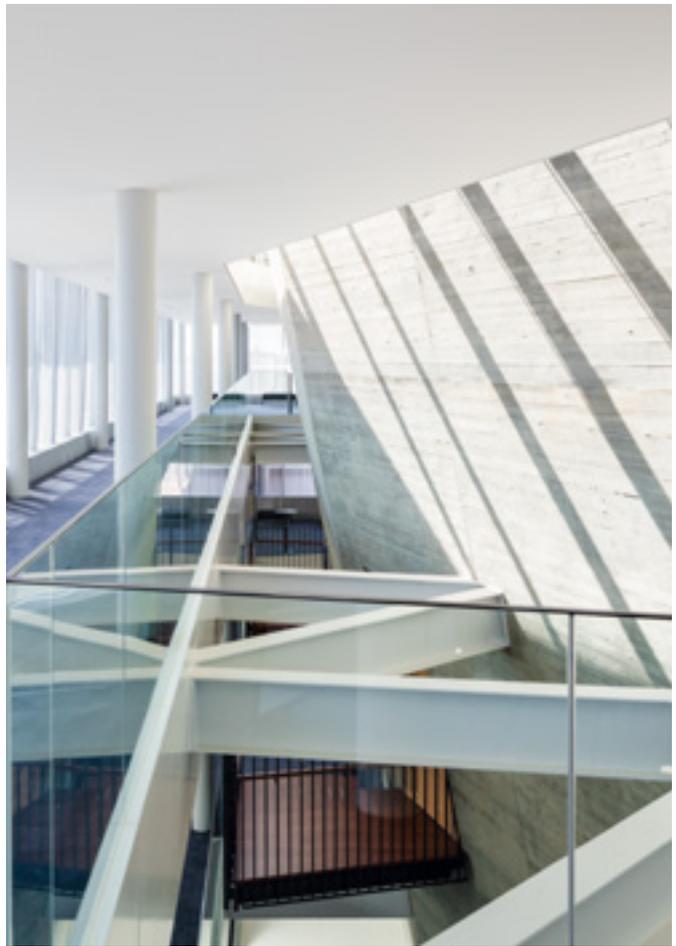


# TEXTILES FOR GLARE AND HEAT PROTECTION

HIGHLY FUNCTIONAL TEXTILES PROVIDE GLARE, VISUAL AND HEAT PROTECTION AND ENSURE IDEAL TRANSLUCENCY AND ENERGY TRANSMITTANCE IN ROOMS. THEY IMPROVE WELL-BEING AND THE INDOOR CLIMATE.

CRÉATION  
BAUMANN

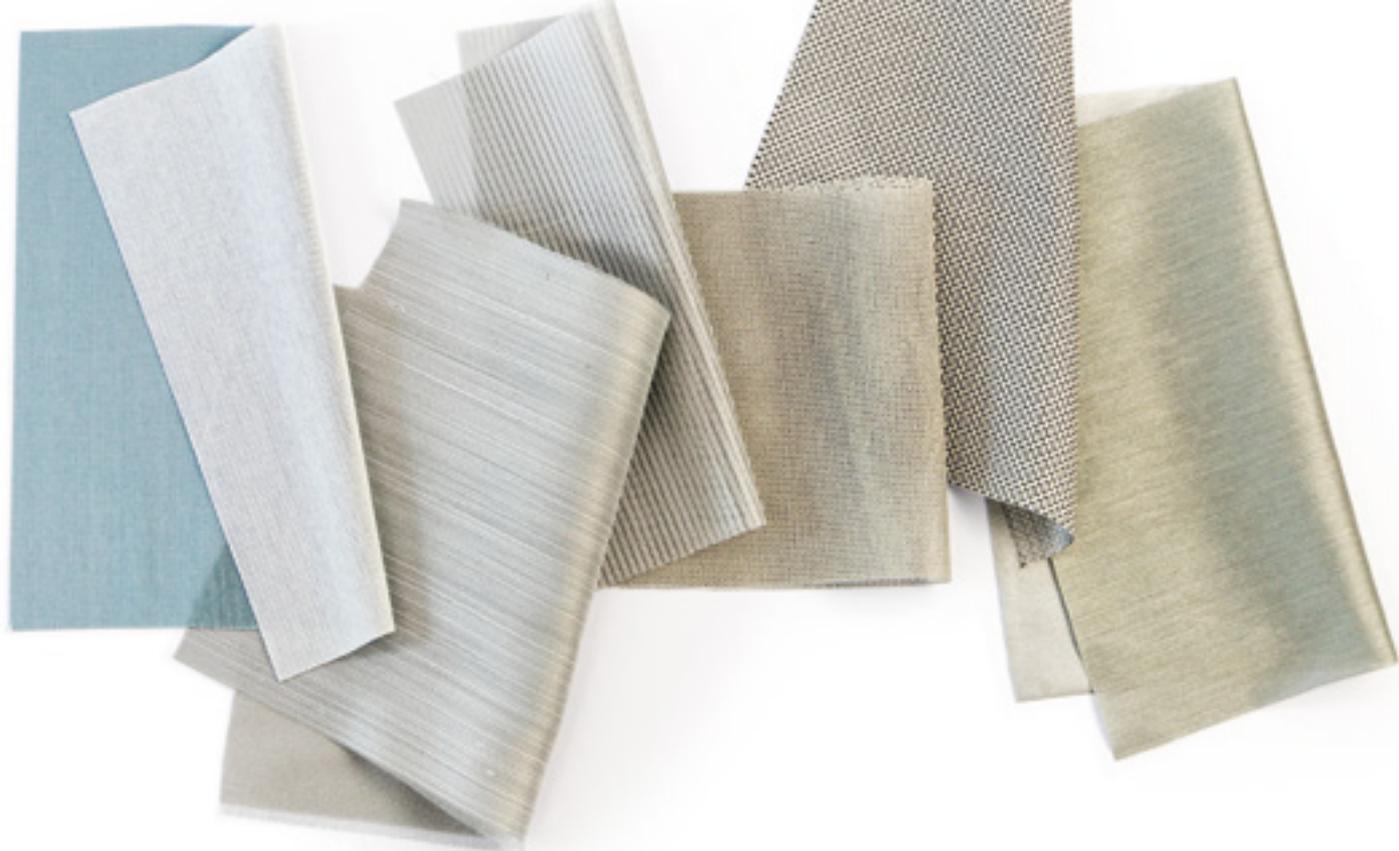


Foyer of the Ota Civic Hall, Ota, Japan (also on cover)

Photos: Shigeo Ogawa, Tokyo

**DIRECTING THE FLOW OF LIGHT: CRÉATION BAUMANN'S TEXTILES FOR GLARE AND HEAT PROTECTION CREATE THE PERFECT BALANCE BETWEEN THE INSIDE AND OUTSIDE.**





# USING TEXTILES FOR REGULATING LIGHT AND HEAT

**Natural light is dynamic – the position of the sun changes depending on the day and season. More daylight requires more sun protection and more glare protection. It is also important to protect rooms from overheating. Our textiles for glare and heat protection ensure ideal translucency and energy transmittance without any glare. At the same time, the highly functional fabrics reduce heat radiation and help to improve the indoor climate and therefore well-being in the workplace.**

## **The situation: Light-filled rooms**

It's impossible to imagine modern buildings without large window fronts. They make it possible to use the daylight and create space landscapes where people feel at ease because they have an unobstructed view of the outside. The downside: A strong fall of light also requires optimum glare and heat protection.

## **The answer: Highly functional textiles**

Création Baumann has developed a solution that is as effective as it is flexible to direct light and climate in a room – highly functional textiles metallised with a sheer layer of aluminium. Used as visual, glare, heat, and UV protection all at once, our fabrics improve the indoor climate. They create a pleasantly dimmed light with an uninterrupted visual connection to the outside, preventing glare, mirroring, and reflections in the presence

of a strong, direct fall of light while improving ergonomics and contrasts at screen workplaces.

## **The varied offer**

The comprehensive GLARE & HEAT collection provides future-proof options for glare and heat protection: With a wide range of functional textiles in different transparencies, looks, structures and colours.

## **The direction: In teamwork with technology**

Roller blinds, panel curtains, vertical blinds, Roman blinds or curtain rails: Where light and space meet, Création Baumann offers solutions for transforming tailored first-class fabrics into outstanding systems. They include the option of directing light and shade playfully and fully automatically – with the best experience, reliable safety and energy efficiency.

# TESTED – ACCORDING TO ALL THE RULES OF PHYSICS

Création Baumann's metallised textiles for glare and heat protection provide excellent functional values. This is also confirmed by extensive testing and assessing of all qualities and colours performed in compliance with standardised procedures.

## The technology: Metallising

In a highly technical procedure, aluminium is applied onto the fabric's back. An additional finish makes the fabrics more resistant against water stains, vapour, corrosion, and contamination. An independent testing body checks all the textiles for functional glare and heat protection values. This allows architects and interior designers to calculate light and energy during the planning stage.

## The requirement: Only certified fabrics

Physical properties such as transmission, reflection and absorption determine whether a fabric is suitable for glare and heat protection. Création Baumann has these factors determined, together with the total level of energy transmittance and reduction factor in connection with the reference glazing.

Please see our website for the official test certificates, tested in accordance with DIN EN, with detailed explanations of the measurement results, available for download at the respective product. [creationbaumann.com/glareandheat](http://creationbaumann.com/glareandheat)



Shibaura House, Tokio, Japan

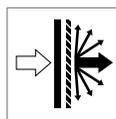
Photo: Iwan Baan Photography, Amsterdam

## Key parameters of glare and heat protection

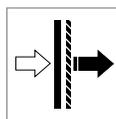


These three physical parameters determine glare and heat protection:

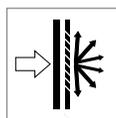
Absorption (A)  
Reflection (B)  
Transmission (C)



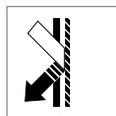
**Normal transmission – hemispheric**  
Describes the portion of light and/or energy penetrating the room through the fabric both in a directed and a diffused manner.



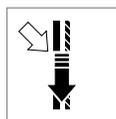
**Normal transmission – normal**  
Describes the portion of light directly entering the room if the flow of light is vertical, and how it interrupts visual contact with the extremely bright sun.



**Normal transmission – diffus**  
Describes the portion of light diffusely entering the room if the flow of light is vertical, and how brightly the fabric shines when the sun hits it.



**Reflection**  
Describes the portion of light and/or energy reflected by the metallised side towards the window.



**Absorption**  
Describes the portion of light and/or energy absorbed by the fabric so it becomes warmer.

## Sustainability and certification

As an owner-managed family business, Création Baumann is dedicated to long-term success. For us, success means making a positive contribution on an ecological, social and economic level. People's needs are the focus of our thinking and we act sustainably in all areas. All textiles in the GLARE & HEAT collection are OEKO-TEX® STANDARD 100 certified, tested for harmful substances and therefore harmless to health.

# SOLUTIONS FOR EVERY ROOM

**When the interior and exterior of an open architecture merge, textiles contribute to creating an atmosphere and a sense of well-being. Création Baumann flexibly brings glare and heat protection to public and private spaces.**



## **Glare and heat protection in private spaces**

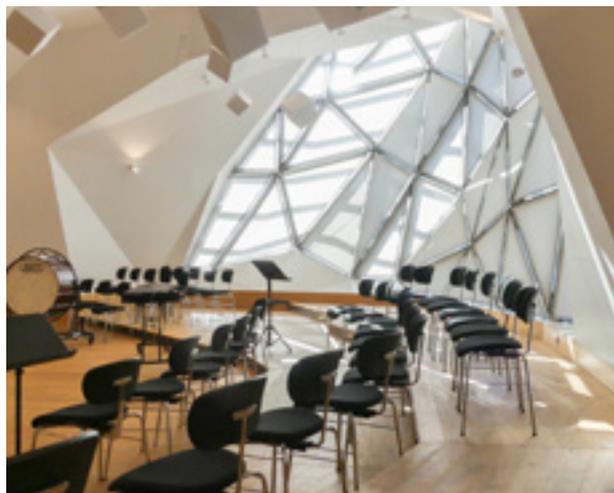
Textiles by Création Baumann for glare and heat protection are visually capturing in private spaces with their subtle plays of light. They combine a high level of functionality with textile aesthetics; their soft drape highlights a pleasant indoor climate.

Object: Private home, Monthey, Switzerland  
Photo: Hannes Henz, Zurich, Switzerland

## **Glare and heat protection as a system solution**

Whether as a roller blind or a different solution: We will be happy to combine textiles and technology into glare and heat protection that is as effective as it is comfortable. Our specialists will support you from the planning to the implementation stages.

Object: Theater am Gärtnerplatz, Munich, Germany

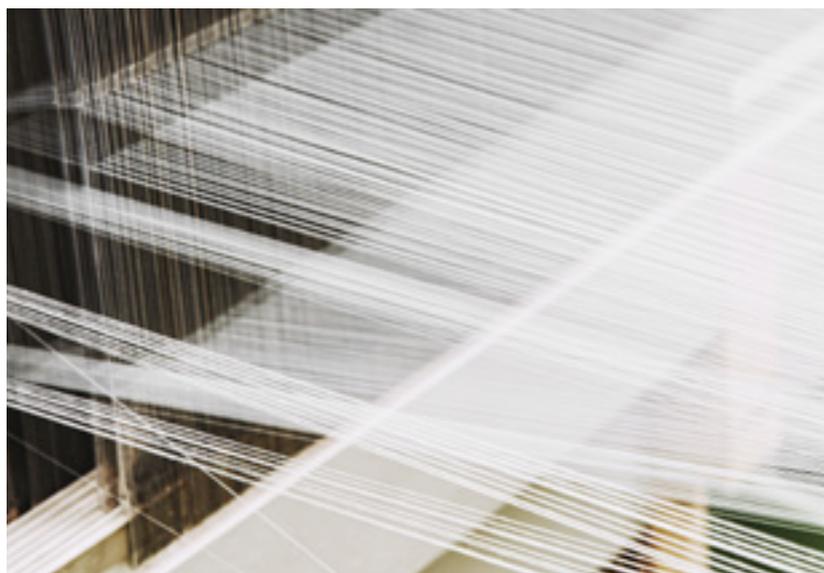


## **Glare and heat protection in public spaces**

Architecture embraces the notion of sunlight. Textiles by Création Baumann for glare and heat protection make it possible to precisely control the incidence of light, contributing to a high level of glare protection and maximum transparency, while protecting furniture and artwork.

Object: Sukagawa Community Center tette, Sukagawa City, Japan  
Photo: KAI NAKAMURA PHOTOGRAPHY, Japan





**Internal sun protection has had a long tradition in Langenthal:  
In 1989, Création Baumann as Switzerland's leading textiles  
manufacturer, launched the first fabrics for glare and heat  
protection. And the collection is continuously being improved.**

**How would you like us to direct the flow of light in your rooms?  
Please contact us or our specialist retailers for more information  
and a personal consultation for the ideal glare and heat  
protection using our fabrics.**

**[creationbaumann.com/glareandheat](http://creationbaumann.com/glareandheat)**

**Glare and heat protection by Création Baumann**

Architecture museum of the Technical University, Munich, Germany

Collège et centre communal, Belmont, Switzerland

Halmstad Energi HQ, Halmstad, Sweden

Hiroshi Senju Museum Karuizawa, Nagano, Japan

Richti-Areal office building and high-rise, Wallisellen, Switzerland

Shibaura House, Tokyo, Japan

Campus WU, Executive Academy, Vienna, Austria

Further references: [creationbaumann.com/references](http://creationbaumann.com/references)

