



FOR AN OPTIMUM  
FLOW OF LIGHT:  
GLARE AND HEAT  
PROTECTION BY  
CRÉATION BAUMANN.

*création* **baumann**

# USING TEXTILES FOR REGULATING LIGHT AND HEAT

The more open the architecture, the more important it is to direct the fall of light: Using the around 140 highly functional fabrics in Création Baumann's GLARE & HEAT collection you can direct the interior sun protection in each room just as you wish.

## 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.



Shibaura House, Tokyo, Japan  
(Photo: Iwan Baan Photography, Amsterdam)

## 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, steel, brass, or copper. 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 OFFERING: VARIETY WITH AROUND 140 FABRICS

The comprehensive GLARE & HEAT collection provides future-proof options for glare and heat protection. With a wide range of functional textiles of up to 300cm in width and different transparencies, looks, textures, and colours. REFLECTACOUSTIC is a textile milestone of Création Baumann's. This multi-talented fabric in aluminium-metallised yarn ideally regulates not only light and heat, but also the acoustics.



REFLECTACOUSTIC

## 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.

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



# 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, steel, brass, or copper are applied onto the fabric's back. An additional finish makes the fabrics more resistant against water stains, vapour, corrosion, and contamination.

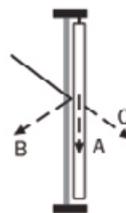
An independent testing body checks all the textiles for functional glare and heat protection values. This allows architects and interior designers to calculate light and energy during the planning stage.

## 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.

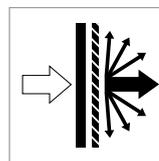
Please see our website for the official test certificates with detailed explanations of the measurement results, available for download at the respective product.  
[www.creationbaumann.com/glareandheat](http://www.creationbaumann.com/glareandheat)

## KEY PARAMETERS OF GLARE AND HEAT PROTECTION



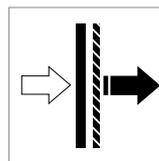
These three physical parameters determine glare and heat protection:

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



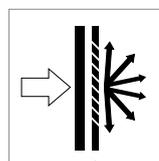
### NORMAL TRANSMISSION – HEMISPHERIC

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



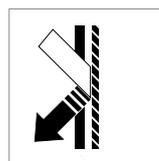
### NORMAL TRANSMISSION – NORMAL

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.



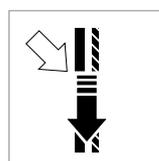
### NORMAL TRANSMISSION – DIFFUSE

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.

# 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 PUBLIC SPACES

Open space architecture embraces the notion of sunlight. Textiles by Création Baumann for glare and heat protection make it possible to exactly direct the flow of light, contributing to a high level of glare protection and maximum transparency.

Photo: Ken'ichi Suzuki, Tokyo



## 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.

Photo: Hannes Henz, Zurich



## GLARE AND HEAT PROTECTION WITH ACOUSTIC PROPERTIES

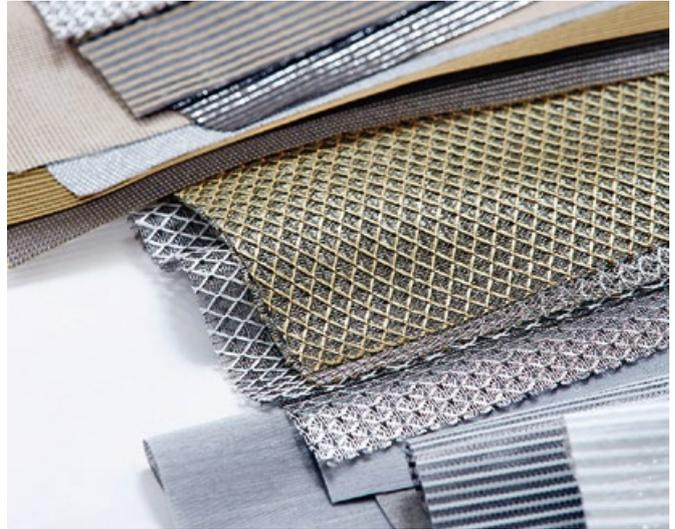
Public or private: Open space designs also need optimised acoustics. Our REFLECTACOUSTIC fabric combines glare and heat protection with effective sound absorption. With an Alpha value of 0.6 and a high level of transparency.

Photo: Christoph Vohler Photographie, Munich



## 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.



**INNOVATIVE LIGHT DIRECTION** 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 growing – year after year.

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.  
[www.creationbaumann.com/glareprotection](http://www.creationbaumann.com/glareprotection)



**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  
 Office building and high-rise building of the Richti area, Wallisellen, Switzerland  
 Shibaura House, Tokyo, Japan  
 Campus WU, Executive Academy, Vienna, Austria



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