

KADECO®

HONEYCOMB
PLEATED BLINDS

MODELS AND OPTIONS
FROM 06/23



AESTHETICS AND FUNCTION

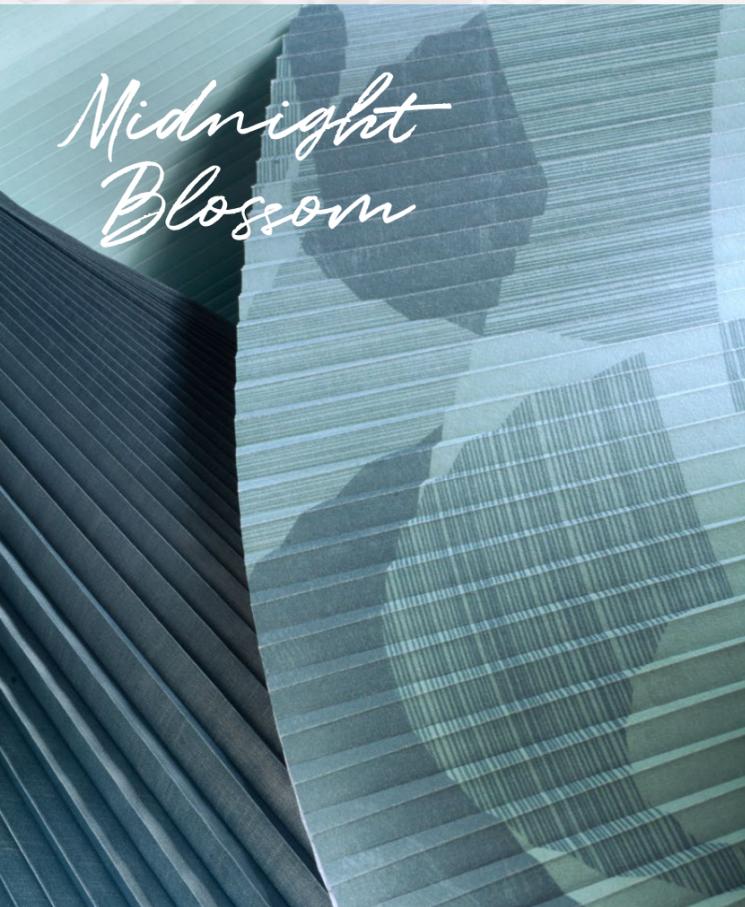
Our KADECO atelier has created beautiful exclusive designs that underline KADECO's uniqueness and its focus on trends. Our honeycomb pleated blinds collection inspires with a choice of numerous plain colours and refined designs to ideally suit any room concept in terms of both appearance and modernity.

Besides elegant light play, honeycomb pleated blinds offer both decorative privacy and protection against the sun, along with a noticeable improvement in the room's acoustics. As genuine energy-saving wonders, their honeycomb-shaped air chambers also provide protection against both heat and cold.

EXCLUSIVE,
TASTEFUL,
INNOVATIVE

A great deal of passion and a sense of style went into developing the honeycomb pleated blinds in our KADECO atelier range. The incomparable KADECO design signature can be found in the wide range of exclusive print designs and the harmoniously coordinated worlds of colour. The KADECO atelier range conveys our claim to exclusivity, lifestyle, aesthetics, value and spirit of the times.

Harmonious, atmospheric and energetic.
Urban Savanna - inspired by the luxury of boundless freedom, we pay homage to the multifaceted colour spectrum and the beauty of nature.



Midnight Blossom

Clear, modern, full of character.
Midnight Blossom embodies a calming atmosphere with noble blue nuances, gives depth, has a harmonising effect and exudes joyful serenity.



Botanical

Radiant calm, stability, balance
Botanical symbolises the balance between slowing down and vitality. Botanical is unobtrusive and creates a colour connection to nature with shades of green. Green is the new grey.



Urban Savanna



Modern Softness



Dark Elegance

Elegant coolness, statement, expressiveness
Dark Elegance exudes a warm, modern, elegant coolness, conveys a feeling of tidiness and sets clear structures.

Pure, stylish and calm
Modern Softness impresses with monochrome restraint, and conveys contentment and inner balance.

SUSTAINABILITY MEETS DESIGN

Besides being stylish, our honeycomb pleated blinds are also sustainably produced. We use high quality grades for our CIRCLE and MIND ranges, which are made of at least 80 % recycled PET. This PET comes from used plastic packaging such as bottles and plastic bags, a complex process being used to transform it into yarns and - ultimately - new fabrics.

Our honeycomb pleated blinds also have the OEKO TEX® STANDARD 100 quality seal, which means they are guaranteed to contain no harmful substances.



About the ranges
Circle and Mind

we love our planet

Circle

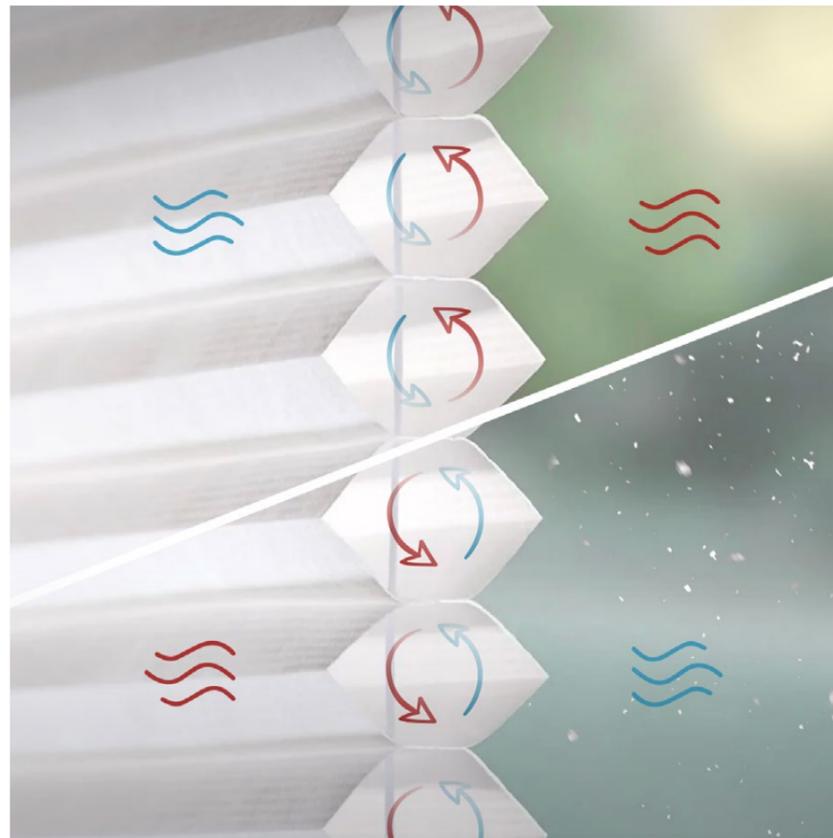


SAVING ENERGY

SAVING ENERGY – LIVING DESIGN

What have bees got to do with honeycomb pleated blinds? It's quite simple: Bees are gifted master builders. They create their honeycombs with a fascinating degree of precision, their perfect architecture forming the template for our honeycomb pleated blinds.

The hollow chambers inside form an insulating layer of air and are an excellent way of saving energy, whether it's protection against heat in the summer or blocking out the cold in winter. Honeycomb pleated blinds can also even be perfectly adapted to windows of unusual and special shapes. The energy weak points of a building are often its windows - even when they are well insulated. When outdoor temperatures fall, lots of interior warmth is lost through window surfaces. The result is rising heating costs to balance out the disappearing warmth.



The unique shape of our honeycomb pleated blinds prevents this effect thanks to the air chambers inside, keeping the warmth in the room. The lower the insulating effect of the window glazing, the higher this energy-saving effect. This means that our honeycomb pleated blinds not only fulfil their indoor sun protection function, but also provide thermal insulation and help to reduce heating costs: A honeycomb pleated blind can reduce heat loss through windows by up to 49% in winter (source: Fraunhofer IBP*).

When temperatures rise in the summer, KADECO honeycomb pleated blinds perform the task that they were designed for: Windows are shaded according to the sun's position, so as to let in the exact amount of heat and light desired. In view of the increasingly extreme weather conditions with more frequent and prolonged heatwaves, this not only increases comfort but saves a considerable amount of energy too. This is because the less a building heats up, the less it needs to be cooled by expensive air conditioning systems.

*<https://www.ibp.fraunhofer.de/de/projekte-referenzen/potenzial-von-sicht-und-sonnenschutzsystemen.html>

EXPERIENCE KADECO COLLECTIONS ONLINE

THE DIGITAL FABRIC CATALOGUE

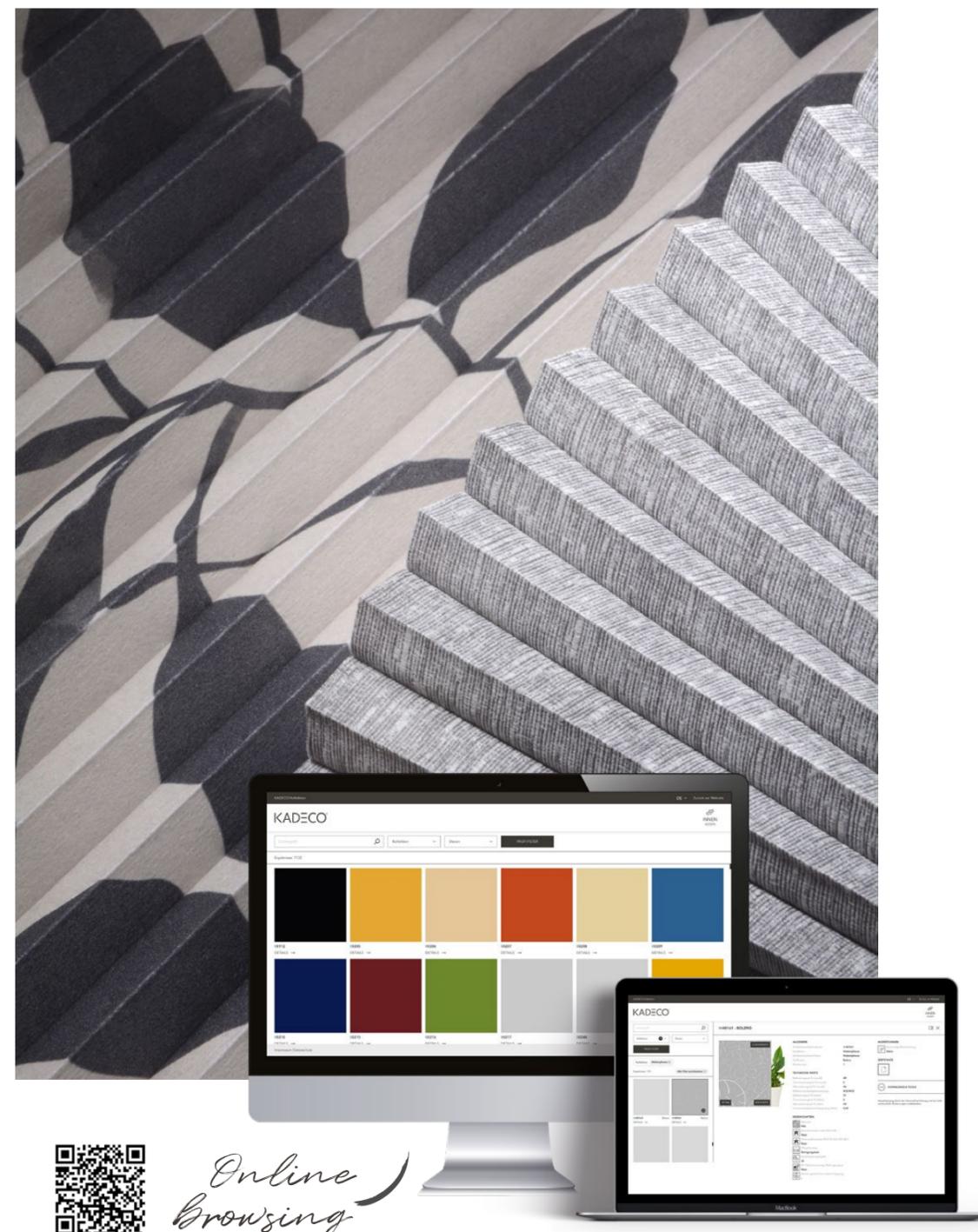
We love fabrics and designs - because they are at the very heart of KADECO sun protection products. You can now choose from the digital KADECO collection online too.

Using various filter functions, fabrics can be filtered based on criteria such as designs, colours and properties. All important details relating to the selected fabric are clearly shown: The detailed preview images show at a glance the front, back and detail view of the selected fabric. It is also possible to download the fabric data sheet and view the complete product properties in a clearly summarised form.



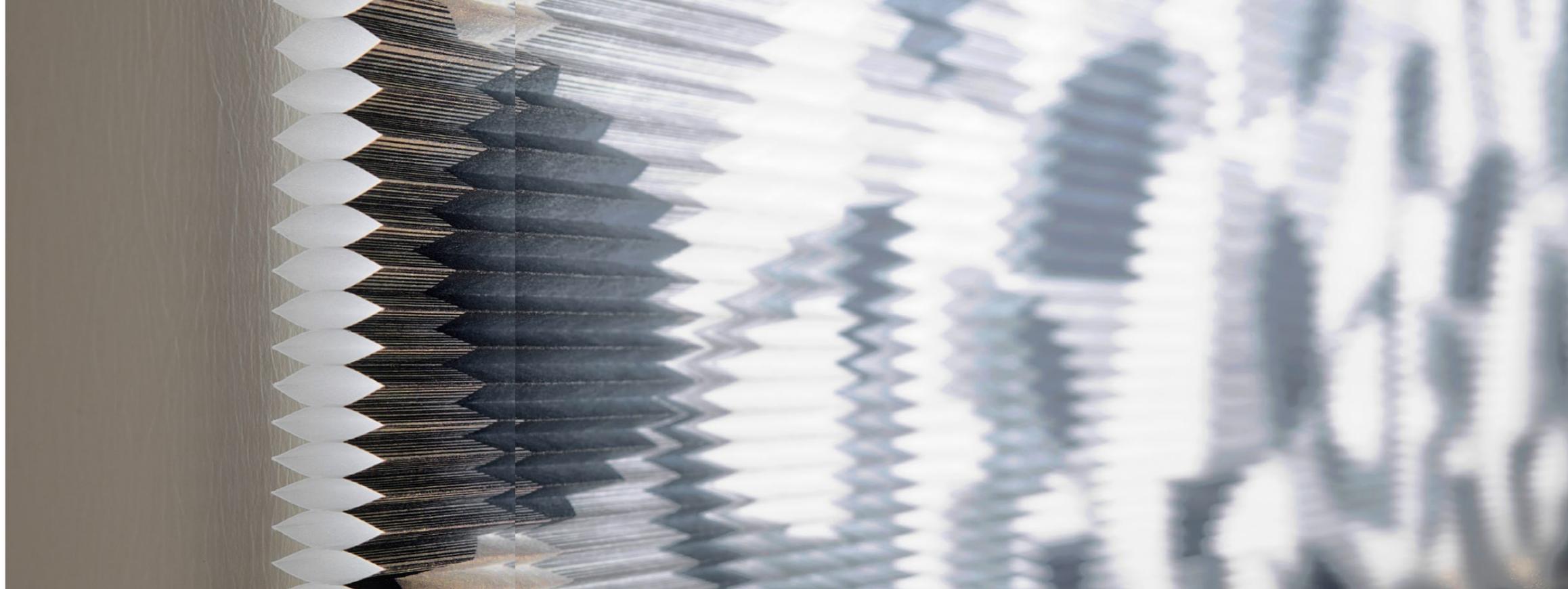
Digital Fabric Catalogue

The QR code on the sample pages will take you directly to the digital KADECO collection, where you can view the fabric properties online.



SYMBOLS AND FINISHING

The climate in a room and the visual effect of a honeycomb pleated blind are dictated by the fabric's response to incident sunlight. The photometric values assigned to each fabric as percentages in the product overview must be taken into account in this respect. Radiation physics distinguishes between light and energy, and thus defines the physical properties differently.



VISUAL PROPERTIES

This describes the effect of the honeycomb pleated blind on the proportion of sunlight that is visible to the human eye (380-780 nm).

The reflection, transmission and absorption values indicated below always add up to 100%.



Reflectance (visual)

The light reflectance according to EN 14501 indicates which proportion of visible sunlight is reflected by the fabric.



Transmittance value (visual)

The light transmittance according to EN 14501 indicates which proportion of visible sunlight can penetrate the fabric.



Absorption grade (visual)

The light absorption grade according to EN 14501 indicates which proportion of visible sunlight is absorbed by the fabric.

SOLAR PROPERTIES

Solar radiation in both the visible and the invisible ranges must be considered when evaluating the properties of the honeycomb pleated blind.

The values for reflection, transmission and absorption below therefore refer to the sun's full radiation spectrum.



Reflectance (solar)

The solar reflectance according to EN 14501 indicates which proportion of incident sunlight (entire spectrum) is reflected by the fabric.



Transmittance (solar)

The solar transmittance according to EN 14501 indicates which proportion of incident sunlight (entire spectrum) can penetrate the fabric.



Absorption grade (solar)

The solar absorption grade according to EN 14501 indicates which proportion of incident sunlight (entire spectrum) is absorbed by the fabric.

MATERIAL



Material

VI = viscose

PES = polyester

PCR = post-consumer-recycled

PCR refers to the recycling of used packaging materials such as plastic bottles and bags to reduce waste and conserve resources.

CLASSIFICATION OF HONEY-COMB PLEATED BLINDS AS PER DIN EN 14501

Besides improving a room's look, an internal privacy shield and sun protection also helps increase its visual and thermal comfort. Glare protection, transparency, privacy shield, heat protection in summer and black-out performance are the most important functions of textile drapes. However, the extent to which individual products fulfil these functions varies greatly. In order

to create clarity for you as a user, the ViS (Verband innenliegender Sicht- und Sonnenschutz e.V.) has developed symbols that are based on the latest version of the European standard DIN EN 14501 and that are explained below.

TRANSPARENCY

How well can you see outside when the drapes are closed? This is indicated by the symbols for the "transparency" function.



Transparency 0

You cannot see outside at all.



Transparency 1

Transparency is extremely limited, with outlines dimly discernible.



Transparency 2

Transparency is limited, but outlines are clearly recognisable.



Transparency 3

You can look outside with few limitations, and at a distance of 10 metres it is possible to recognise people.



Transparency 4

You can look outside almost unhindered.

PRIVACY SHIELD

How well can people or objects in a home be seen and recognised from outside in normal night-time lighting conditions? This is indicated by the symbols for the "privacy shield" function.



Privacy shield 0

Unobstructed view into the home. Persons are clearly recognisable.



Privacy shield 1

Few restrictions to seeing into the home. Persons are still recognisable.



Privacy shield 2

There is a certain amount of privacy. Silhouettes can always be recognised, and in unfavourable lighting conditions even persons themselves.



Privacy shield 3

An almost complete privacy shield. Silhouettes of people can only be recognised if they are standing a short distance (approx. one metre) from the drape.



Privacy shield 4

No view at all from the outside to the inside, and so persons are not recognisable.

GLARE PROTECTION

To what extent does a drape reduce the risk of glare by reducing the ingress of sunlight and preventing you from looking directly at the sun? This is indicated by the symbols for the "glare protection" function. Important points: Daylight is essential to human well-being. It has a positive influence on health, as well as on a person's ability to concentrate and perform. Little or no daylight is let through if the glare protection is too strong. The drape should therefore ensure that people are not dazzled, but at the same time it should still let in enough daylight to ensure their well-being. It is also worth bearing in mind that a light fabric of the same classification diffuses more light into the room than a dark one. The decision as to what feels more pleasant is a subjective one: a surface perceived as

bright, which at the same time offers less visibility to the outside, or a darker surface with individual dazzling points of light, which at the same time opens up more visibility to the outside. Glare protection is useful for all façades facing east, south or west: Direct sunlight always falls here at certain times of the day and year, and this can cause glare. Façades facing north-east, north and north-west can manage without glare protection - reflections from buildings opposite must be taken into account here if necessary, as these can also cause glare.



Glare protection 0

Products in this class provide **absolutely no glare protection**.



Glare protection 1

There is only limited glare protection. This makes this class only suitable for a few applications, e.g. on north-facing façades when no glare from a façade opposite is possible. This class is not suitable for computer workstations, particularly **on façades facing east, south or west**.



Glare protection 2

Glare protection is almost always guaranteed. This class is an appropriate choice for most work involving computer screens. This class not sufficient for just a few applications, for example when the screen is positioned frontally to the window. Darkening is only slight, which means that there is usually no need to use artificial lighting during the day. **Suitable for façades facing east, south or west.**



Glare protection 3

Glare protection is guaranteed in most cases. It is not sufficient only in extreme cases, for example when the screen is positioned frontally to the window and the smallest details have to be recognised. The room is darkened to the extent that artificial lighting must be used. **Suitable for façades facing east, south or west.**



Glare protection 4

100 percent glare prevention. The room is darkened a great deal, to the extent that artificial lighting must be used. **Suitable for façades facing east, south or west.**



For more information, visit vis-online.org of the ViS (Verband innenliegender Sicht- und Sonnenschutz e. V.).

BLACKOUT

To what extent does a fully-closed drape reduce the amount of light entering the room? This is indicated by the symbol for "blackout". A complete blackout is not appropriate in private rooms as it goes against the human 24-hour cycle. It is only recommended for professional purposes. We only state the classification of the drape material below. The blackout class (for example "B.3") as per DIN EN 14501 is derived only in combination with the frame classification (the technical hardware A-E).

Our honeycomb pleated blinds systems correspond to Classes C, D or E.



Blackout 0

Only a minimal reduction in the amount of light entering the room.



Blackout 1

The drape slightly reduces the amount of light entering the room.



Blackout 2

The drape noticeably reduces the amount of light entering the room. For bedrooms, this class is suitable in combination with side guide rails.



Blackout 3

The drape almost completely reduces the amount of light entering the room. For normal bedrooms, this class is ideally suitable in combination with side guide rails.



Blackout 4

The drape prevents light from entering the room. Honeycomb pleated blinds systems are not suitable for a complete room blackout, as they cannot fully prevent light from entering the room around the drape's fabric.



SUMMER HEAT PROTECTION

To what extent does a drape prevent a room from heating up? This is indicated by the symbol for the "summer heat protection" function. The classification assumes that heat protection glazing is present.



Heat protection 0

There is a minimum heat reduction compared with glazing without drapes.



Heat protection 1

Heating is slightly reduced.



Heat protection 2

Heating is reduced much more noticeably.



Heat protection 3

Heating is reduced considerably and very well.



Heat protection 4

Heating is optimally reduced.



DISPLAY SCREEN EQUIPMENT (DSE) WORKSTATION SUITABILITY

Provide the best light for your employees

Daylight makes you feel happy, cheerful and productive. These positive attributes can also be brought into the workplace - without unpleasant side effects such as glare, heat radiation or reflections on computer screens. The design of modern workplaces actually has such a significant effect on the health and well-being of employees that information, guidelines and legal regulations have been created to ensure this is taken into consideration.

From 1996 to 2016, the German Screen Work Ordinance (BildscharbV) represented the German implementation of the authoritative EU regulations in this area. When the German Workplace Ordinance (ArbStättV) was amended on 3 December 2016, the BildscharbV was merged with the ArbStättV, which is legally binding in Germany. The ArbStättV covers every aspect of designing workplaces and working conditions with regard to the health and safety of employees.

What are considered good conditions for DSE workstations?

- Every window must be fitted with a suitable, individually adjustable privacy shield and glare protection device
- Annoying reflections and glare on screens must be prevented as much as possible
- Equipment should be adjustable so that users have a line of sight to the outside world, for most of the time at least
- It must be possible to react flexibly to changing daylight conditions
- The workplace must be sufficiently lit
- Screens must be at an approximately 90° angle in relation to the window in order to reduce reflections in general (note examples provided by the German Social Accident Insurance)

Practical information about implementing the EU directive can be found at:

German Social Accident Insurance
DGUV Information 215-444
(sun protection in offices).

Further information can be found in the brochure "Information on the classification of textile drapes for privacy shields and sun protection according to DIN EN 14501" published by ViS (Verband innenliegender Sicht- und Sonnenschutz e. V.).

Find easy and attractive ways to implement legal requirements with KADECO

Workplace windows must have an effective and flexible glare protection system in place so that employees can benefit from daylight, but won't be disturbed. Since you can individually react to the amount of incident light with KADECO's interior privacy screens and sunscreens, these are suitable as internal glare protection at the workplace. Use the designated glare protection classes as a guide to find the optimum fabric for your workplace glare protection. For more information, see the glare protection classes overview on Page 15.

Current legal requirements, standards and directives:

- German Workplace Ordinance, ArbStättV, Appendix 6 (measures for the design of DSE workstations)
- Technical regulations for workplaces, ASR 3.4 (lighting)
- German Social Accident Insurance, DGUV Information 215-444
- Lighting of work places - Indoor work places, EN 12464-1
- Ergonomic requirements for office work with visual display terminals EN ISO 9241-6

Note

This information does not claim to be complete, and does not exclude any other equivalent technical solutions that are equally safe. In certain unfavourable situations, additional externally located glare protection may be necessary.

FABRIC PROPERTIES



Dirt-repellent

KADECO's dirt-repellent fabrics ensure invisible protection against soiling from a large number of household substances. We especially recommend using these fabrics in kitchens and cafeterias.



Low flammability

Fire behaviour of the material tested to various standards and classified as follows:

B1 = flame-resistant according to DIN 4102-1

M1 = non-flammable according to NF P 92-503-507



Fade resistance

The fade resistance of KADECO fabrics denotes the resistance of the textiles to long-term exposure to light. The higher the value of the fabric, the more resistant it is to the effects of light.



PVC free

This feature ensures the textiles are free from plasticisers.



OEKO-TEX® Standard 100

This label is a certification for fabrics which are made of materials tested for harmful substances and manufactured using environmentally friendly processes. In addition, safe and socially responsible working conditions are guaranteed. OEKO-TEX® Standard 100 indicates a low-emission fabric and rules out harmful chemicals.



Pearlescent finish

KADECO's pearlescent-coated fabrics offer multiple benefits: The finish is particularly efficient at reflecting high levels of light and heat radiation. We particularly recommend these fabrics for large areas of glass as well as for offices or conservatories.

CARE INFORMATION

KADECO honeycomb pleated blinds are resistant to dust and dirt because of the special coating that is applied to both sides. However, should you still wish to clean them, please follow the specific care instructions by referring to the cleaning symbols.



Brushing

Dirt such as dust can generally be removed with a soft clothes brush or carefully vacuumed off.



Damp cloth

Place the honeycomb pleated blind on a smooth surface to wipe it clean with a damp cloth. Wipe the honeycomb pleated blind carefully on both sides with a soft cloth that has been moistened with mild detergent.



Cleaning bath

Move the honeycomb pleated blind around in a warm mild detergent solution (max. 30°C) for no more than 10-15 minutes. It is important to use a very low-surfactant detergent such as "Burti".

After immersing the fabric in the detergent, rinse it out with clean water, fold the fabric stack together again and press the water out. Hang the system up again whilst still damp and, throughout the day, keep alternately raising (so that the fabric can dry out completely) and lowering it (so that the folds are retained).

PLEASE NOTE

Do not iron the fabrics!

Mechanical parts of electrical units must not come into contact with water!

If you are cleaning glass and window frames, never use abrasive or alkali detergents. We cannot accept any liability for fabric damage caused by condensation, detergents or insects soiling the fabric. Nor can we accept any liability for any consequential damage due to incorrect handling of our products.

Please see our product overview for recommendations on how to care for the various fabrics.

PRODUCT OVERVIEW

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