

KADECO®



PLEATED BLINDS



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KADECO pleated blinds

Diversity meets design

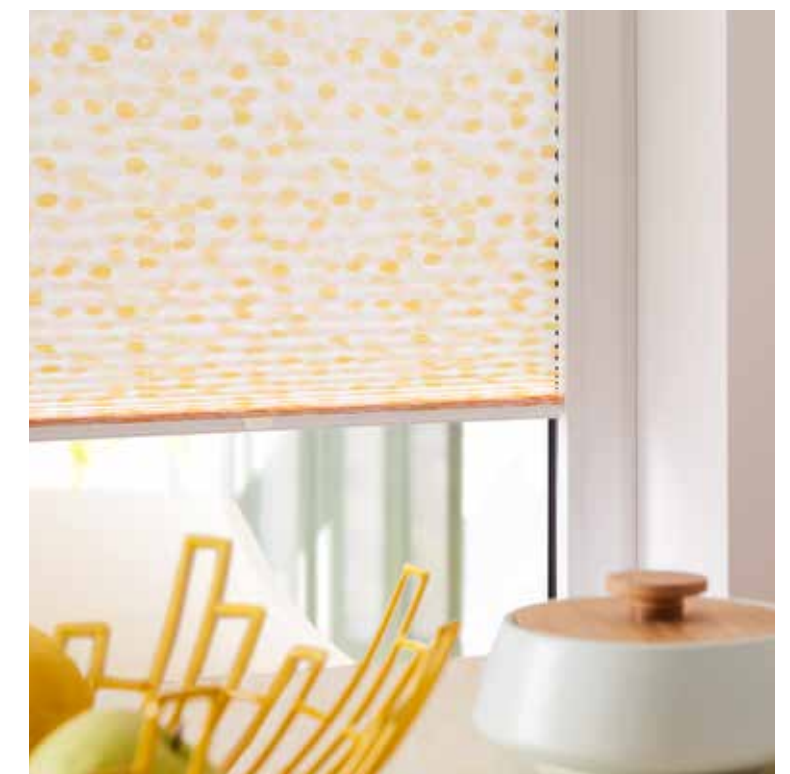
The current KADECO collection captivates and excites with a refined sense for attitudes to life and moods. An unparalleled range of fabrics from subtle, elegant patterns to stylish, harmonious worlds of colour – pleated blinds offer you a tailored solution for a wide range of requirements.

Discover a never-ending range of colour and specially designed exclusive patterns and fabrics that will blend seamlessly with your personal style of interior design.

With the current trend for relaxed living firmly in mind, our design team has developed colour combinations that create a sense of comfort, warmth and lightness in every room. We can't wait for you to discover the full extent of our diverse collection.

Our pleated blinds can be used in a variety of ways – whether as sun protection, a privacy shield, a design feature or to protect you from heat.

When it comes to our craftsmanship and creative variety, we impress with our unique aesthetic and bespoke "Made in Germany" pleated blinds.



Colour trends

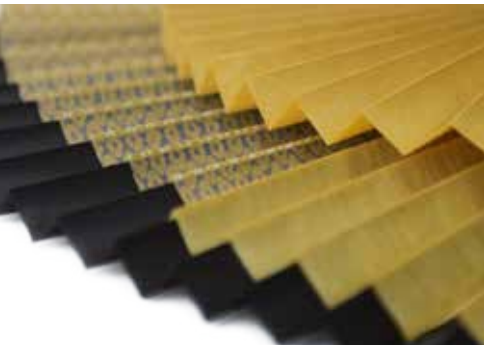
Pleated blind fabrics characterised by delicate nuances of colour

The colours have a relaxing effect in the living area and provide a peaceful retreat from hectic everyday life. Not only do the muted tones serve to emphasise this effect, they also give the impression of extra space.

Our new collection features a series of special colour themes that focus on popular colour combinations and create a high-end look.

Inspired by nature

Our classically elegant colour combination has now a modern twist that just oozes sophistication: the smoky blue and grey-brown tones in the new collection bring a real sense of peace and relaxation. The new designs and exciting structures are inspired by nature and reminiscent of gently flowing streams, rugged rocks and gnarly woods. Their matt, muted character makes the new blue tones look incredibly homely and elegant, making them the perfect match for the current trend for natural wood tones.



A sophisticated look: brass meets black

With their warm brass tones combined with black, our pleated blinds have never looked so opulent and luxurious. This sophisticated contrast is sure to add shimmering accents to any interior. The design in the brass/black colour combination brass is a tribute to the Art Deco style that was popular between the 1920s and 1940s. The black goes perfectly with rich colours and natural tones, and blends in exceptionally well with interior designs comprising light wood, pale concrete and glass elements.

Pastel tones for relaxed airiness

The smoky pastel tones lend a soothing note to every room. With delicate colour gradients ranging from fresh soft mint or a light dusky pink to a delicate white, it's never been easier to incorporate discreet and homely splashes of colour into your contemporary decor. In harmonious combinations with warm and delicate shades of grey, these colours develop a particularly sensual character and are becoming increasingly popular in the world of interior design. The muted colours harmonise unobtrusively with a natural style, creating a relaxed look that is simply perfect for highlighting well-loved vintage furnishings.



Fabric types

Thanks to the huge choice of colours and shapes on offer, pleated blinds are always a popular choice. Regardless of whether the sun is in your eyes, or you want to protect your rooms from the heat or furnish your surroundings to suit your taste – KADECO pleated blinds offer virtually unlimited diversity in terms of combining colours, shapes and materials.

Fabrics and their properties

Using one of the most traditional manufacturing processes for fabrics, we produce unique textiles that combine modern colours and graphic designs for a finish with real appeal. The modern interpretation of this traditional art is giving the weaving technology new impetus in the world of interior design. Whether it's Scherli brocade or jacquard or one of our other special weaving techniques, these bonding types characterise the uniqueness of our pleated blind collection with interesting and distinct structures.

Our article charts for the individual properties enable a quick overview and specific advice for individual projects and areas of application. The relevant planning properties and colours were sorted for the design concept.



LightControl



The impressive **LightControl materials** are available in over 50 different varieties, which are all invariably flame-resistant. This makes them the perfect choice for the commercial sector.

LivingColours



The **LivingColours fabrics** are available in a wide variety of colours from delicate white and vibrant red through to a whole host of darker shades including blackout fabrics.



PureLine



The distinct textile structures and designs of our **PureLine fabrics** create a sophisticated interior aesthetic in muted tones of white, beige and grey.

YoungTrends



Our irresistible **YoungTrends fabrics** are a breath of fresh air for fashion-forward customers, including children and young adults, thanks to their exclusive, playful and on-trend designs.

Model overview

Technical systems

The KADECO range of pleated blinds comprises five basic systems, each of which offers a perfectly matching solution for virtually any application.



Tensioned systems

ClassicLine VS1, VS2, VS3, VS3D
SlimLine VS1, VS2,

Free-hanging systems

Cord pull pleated blinds F1, chain pull
pleated blinds FK, motorised pleated
blinds FE

Special shapes

Tensioned systems VS4-10
Free-hanging systems F Slope 1-4



Rooflights

Rooflight pleated blinds DF10, DF20, DF30,
DFE10, DFE20, DFE30,
BDF10, BDF20, BDFE10, BDFE20

Ceiling systems

Ceiling systems PL11-42, PLK, PLE



Installation options for tensioned systems, screwed in

The options for installing KADECO pleated blinds are particularly flexible. Whether it's in a glass rebate, screwed onto the frame or clamped onto the frame – the smart fastening systems guarantee the right installation option for every situation.

Glass rebate installation



ClassicLine VS2
with clamping shoe



SlimLine VS2
with clamping shoe



ClassicLine VS1
with clip



SlimLine VS1
with clip



ClassicLine VS2
with rebate plates



SlimLine VS2
with rebate plates

KADECO pleated blinds are easy to handle, superbly user friendly and outstandingly practical. The wide range of special designs and operating variants means optimum privacy and sun protection can be achieved for every window, not only right-angled ones. Whether you want to install the blinds in a conservatory, under the eaves, in roof-lights or the ceiling area, the perfect solution can be found among the wide choice of operators and drive variants, even in confined areas.

Technology and versions

High-quality aluminium and plastic components ensure that your pleated blind system will last for many years to come. The aluminium profiles are available either anodised (E6/EV1) or powder-coated in different colors. All the cords used with these systems are made from tear-resistant yarns and matched to the colour of the blind fabric. A special finish is applied to the fabrics before they are pleated, to protect them from heavy soiling. In addition, an ultrasonic or thermal cutting procedure seals the sides of the fabric.

Installation on the frame or on the wall



ClassicLine VS2
with wall mount



SlimLine VS2
with wall mount



ClassicLine VS1
with wall mount



SlimLine VS1
with wall mount

Installation options for tensioned systems, without screws

Installation in the glass rebate, fixed with adhesive



ClassicLine VS2
with adhesive strip



SlimLine VS2
with adhesive strip



ClassicLine VS2
with bracket mount



SlimLine VS2
with casement mount

Installation on the casement with clamp mounts, system operates in front of glass rebate



ClassicLine VS2
with clamp mount



SlimLine VS2
with clamp mount



ClassicLine VS1
with clamp mount



SlimLine VS1
with clamp mount

Installation on the casement, system operates in front of glass rebate



SlimLine VS2
with casement mount

Easy to install, without the need for drills and screws

These days, adhesive technology is widespread in all modern fields of industry, such as the automobile and clothing sectors. KADECO's adhesive kit now allows easy installation of pleated and Roman blinds right onto the window pane. The adhesive system with its two made-to-measure aluminium side profiles is the perfect solution, especially where screw fastening is not wanted or possible.

The special adhesive satisfies the stringent requirements for UV and temperature resistance and guarantees permanent adhesion of the window decoration. Once the glass has been cleaned and the adhesive kit mounted, the pleated or Roman blinds can be mounted straight away, without having to wait for the glue to harden. The adhesive comes off without trace, of course.



This innovative fastening solution offers key benefits for customers and specialist firms alike:

- No damage to the window elements
- Very easy and unobtrusive installation
- Suitable for modern glazing with shallow rebates
- Reduced incident light from the side
- Satisfies the required minimum clearance to the glass
- The adhesive strip comes off without trace



Operating mechanisms and colours

Operating tensioned systems

Tensioned blind systems are operated using a standard plastic or metal handle, or a designer handle.

The purist shape and high quality of the aluminium designer handle create an attractively sophisticated effect. The surface can be white powder coated, black or anodised to match the ClassicLine profile.



Handle
- Plastic (standard)
- Metal (optional)



Designer handle
Metal, for ClassicLine models VS1, VS2, DF10, DF20

Magnetic lock

Reliable locking of the top operating rail on the window bar enhances operating convenience, especially on larger windows. Our new development focused on optimising the holding force of the operating rail while at the same time preventing wear of the mechanism. KADECO has developed the best possible solution that used magnetic components in a new combination of clamping shoe and profile end cap.



Clamping shoe with magnetic catch
Available for ClassicLine models VS1, VS2, DF10, DF20

Operating free-hanging systems

While tensioned systems are moved by operating rail, free-hanging systems are operated by means of a chain or cord pull.



ClassicLine
Cord pull operation



ClassicLine
Chain pull operation

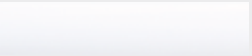
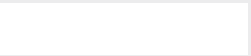








Colour schemes

Profiles
The operating rail profiles and associated components are available in different colours, depending on the type of system.

Plastic parts
Handles, clamping shoes and end caps are colour-matched to the five optional profile colours. So KADECO pleated blinds can always fit right in to any room, no matter what its design.

For further information, please refer to the Technology and Prices section.



Profiles	Plastic parts
 White (RAL 9016)	 White
 Anodised silver (E6/EV1)	 Grey
 Anodised brass	 Black
 Anthracite	 Black
 Dark brown	 Black





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Tensioned systems – straight designs

Tensioned pleated blinds are very easy to move, thanks to an attractively shaped handle right on the movement rail. These blinds are usually installed in the window rebate or on the casement. System bracing provides the necessary grip and enables the blind to be secured at any position you like.

ClassicLine

ClassicLine pleated blinds are available both in straight designs and a number of special designs ranging from triangles to trapezoids. They are the blind of choice if the windows in a room are different shapes.

VS1, VS2 ClassicLine

The rail profile grips via the strong, dual-section clamping shoe and stops flush with the rebate. The simple mechanical locking system fixes the movement rail in place. Metal baffles inside the profile ensure that the cord pull is protected. Stacking can be on one side (VS1) or variable (VS2). The soft inner radii make the profile particularly easy to clean. Both types are optionally available with the new designer handle and magnetic catch.

VS3, VS3D ClassicLine – Day and Night

Additional movement rails combine two different fabrics into one tensioned system, enabling you to achieve a blind that offers decorative sun protection and blackout features, for example, in perfect harmony. Stacking can be either together at the top or separate at the top and bottom.



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SlimLine

VS1, VS2 SlimLine

A cut-out in the flat, enclosed rail profile covers the clamping shoe, which is pushed onto the screwed-on mounting plate. A simple clip function fixes the movement rail in place. High-strength plastic and new spring elements guarantee excellent operating properties. Stacking can be either on one side (VS1) or variable (VS2).

Free-hanging systems – straight designs

Thanks to their operating elements, free-hanging systems are particularly well suited to windows that are located high up. The length of the pulling cord can be individually designed. Please refer to EN 13120.

F1, FE

The drape can be positioned at any height you wish. A universally mounted cord lock secures the cord pull of the F1 system in place. With a variety of control options, a motorised system (type FE) provides maximum ease of use.



Motorised systems

FE, PLE

Electrically operated pleated blinds made by KADECO offer optimum safety and user-friendliness. You raise and lower these 24 V electrical systems conveniently at the touch of a button. Operation can either take place remotely via a wireless hand-held transmitter or from a central control system, which can be equipped with timer programmes or solar monitors. If you are absent, they increase safety, automatically prevent rooms from heating up and, in addition, actively make use of energy saving potential.



Free-hanging systems – straight designs

FK chain pull technology

Extra convenience and manual operation for special situations. If the pleated blind is not readily accessible, the FK chain pull mechanism offers the perfect solution for free-hanging systems. The chain can be attached in front of the fabric on the left or right as required, and the pleated blind sits flush with the window.

KADECO guarantees smooth and infinite adjustment of the pleated blind up to a system height of 260 cm. The highly ergonomic bead chain is 4.5 mm in diameter and runs endlessly through the system. The chain is available in white, silver, black and anthracite and can even be supplied with an anti-swing mechanism on request.

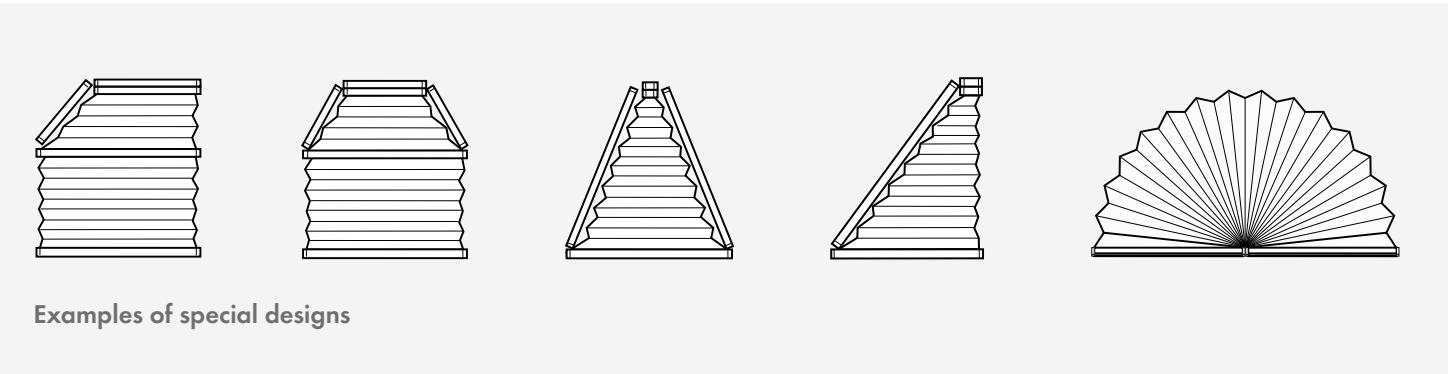


Special designs – Tensioned systems

Tensioned special designs offer solutions for practically any type of window, from trapezoidal right through to hexagonal shapes. Fabric beading that is worked into the rail profiles as an extra special touch underlines the high-quality appearance of these blinds.

VS4-10

The system bracing and profile guide are specially adapted to the size and shape of the window in question. Fixed clamping cords support the fabric on the diagonal. The fabric can be pushed together into a stack along the system's longest side. An attractively shaped handle is used to move these systems.



Special designs – Free-hanging systems



Slanted or slope systems are often used in gabled roof areas. A special production process means the drapes can be pulled up fully into the sloping area of the window.

F Slope 1-4

A universally mounted cord lock enables free-hanging slope systems to be operated from every angle. Depending on the type of system used, they can be fitted in roofs with a pitch of 5-60°.

Rooflight pleated blinds

**DF10, DF20, DF30, DFE10, DFE20, DFE30,
BDF10, BDF20, BDFE10, BDFE20**

KADECO rooflight pleated blinds can be used universally on virtually all standard types of rooflight. The DF10–30 and DFE10–30 models are designed to complement the ClassicLine, while BDF10/BDF20 and BDFE10/BDFE20 are the perfect companion to the SlimLine. The pleated blinds can either be tensioned with bracing wires in the window or integrated into guide rails down the sides in the Elegance version.

The Elegance version can be easily flush mounted by means of side rails and adds the perfect finishing touch to any window. All system types are operated with an operating rod. Models DF10 and DF20 are optionally available with the designer handle and magnetic catch on the operating rails.




Ceiling systems

PL11–42, PLE, PLK

Particular thermal conditions prevail in conservatories or under glass roofs. Ceiling systems optimise the indoor climate and can be controlled by operating rod, crank (+ electric crank) or electric motor. Carbon-fibre-coated bracing wires ensure that the system is held in place properly at any temperature, so these blinds can be fitted across glass surfaces of up to four metres long.



Fabric properties

Material abbreviations			
CV/VI	Viscose	PA	Polyamide
PES	Polyester	LI	Linen
CO	Cotton	Trevira CS 	Trevira CS



■ 32068 ■ 42269 ■ 30758

Symbols and finishing

The climate in a room and the optical effect of a pleated blind are dictated by the fabric’s response to incident sunlight. The photometric values must be taken into account, which are assigned to the fabrics as percentages in the product overview.

Radiation physics distinguishes between light and energy, and thus defines the physical properties differently.

Photometric values	Solar values
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In physics, the visible range of the spectrum between 380 and 780 nm is defined as light. 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.



Reflectance (solar)

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



Transmittance (visual)

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



Transmittance (solar)

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



Absorption (visual)

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



Absorption (solar)

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

Energy values

The effect of the sunshade on the system comprising glazing and interior sun protection is defined using two key technical indicators: total energy transmission value (g_{total}) and reduction factor (F_C).



Total energy transmission value

The total energy transmission value (g_{total}) according to EN 13363-1 (simplified method) indicates how much solar energy can penetrate the overall system of glazing and sun protection into the room. If the aim is to saving cooling energy in summer or prevent the room from heating up, then the total energy transmission value must be minimised. The sunshade should therefore reduce total transmission – the total energy transmission value should be as low as possible.



Reduction factor

The reduction factor (F_C value according to EN 14501) indicates how much a sunshade reduces the energy entry through the window. It can be a value between 0 and 1, and depends on the glass used. The F_C value should be as low as possible, as this would indicate particularly effective sun protection.

Fabric properties



Pearlescent finish

KADECO's pearlescent-coated pleated blind 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.



Aluminisation

Aluminised fabrics not only have particularly good reflection properties; they are also available with varying degrees of transparency. In addition to protecting against glare and heat, they also maintain visibility to the outside.



Dirt-repellent

KADECO dirt-repellent fabrics ensure invisible protection against soiling from a large number of household substances. We recommend the use of these fabrics in kitchens and cafeterias, for example.



Flame resistance

Fire behaviour of the material tested according to various standards and divided into the following classes:
B1 = flame-resistant according to DIN 4102-1
M1 = non-flammable according to NF P 92-503-507



Lightfastness

The lightfastness of KADECO fabrics refers to the resistance of the textiles to prolonged exposure to light. The higher the value of the fabric, the more resistant it is to the impact of light.



OEKO-TEX® Standard 100

This label is a certification for fabrics that 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.



Child-safe operation as per EN 13120

The European standard EN 13120 stipulates special requirements in respect of the child safety of sunscreens. The aim is to minimise the risk of a small child being strangled by operating chains or cord loops. If a product is fitted with such operating mechanisms, a minimum floor clearance (generally 150 cm) and the use of special safety components are mandatory.

As a responsible manufacturer, we naturally make sure that our products comply with this standard and offer child-safe operating mechanisms for all of our models. When selecting your KADECO sunscreen, please bear in mind any local constraints in respect of child-safe and convenient operation.

Further information is available at www.kadeco.de, from your local industry association (e.g. in Germany: ViS - Association of internal sight and sun protection systems) or your national standards body.



Suitability for use in work areas

Provide the best light for your employees

Daylight makes you feel happy, energetic 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 in monitor-based workplaces?

- Every window must be fitted with a suitable, individually adjustable privacy shield and glare protection device
- Bothersome reflections and glares 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 angle of approximately 90° 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).

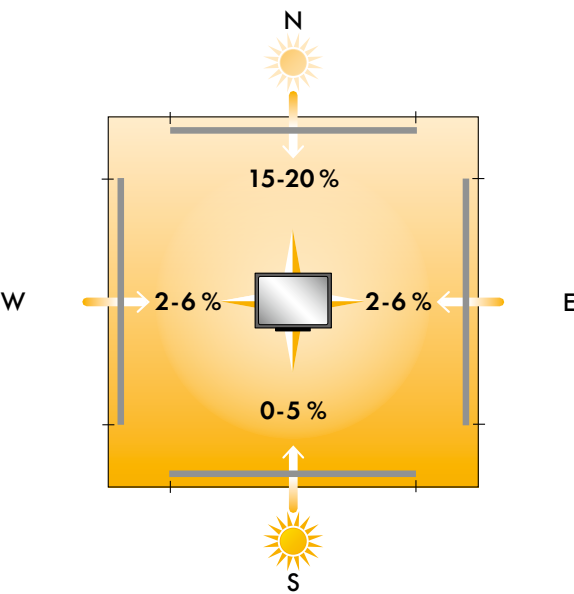
Find easy, attractive ways to implement legal requirements with KADECO

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 an internal glare protection solution in the workplace.

Current legal requirements, standards and directives:

- German Workplace Ordinance, ArbStättV, Appendix 6 (measures for the design of monitor-based workplaces)
- 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

Recommended transmission values





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.

Suitability for use in work areas

Fabrics marked as follows are suitable for monitor-based workplaces facing the following directions:

 South – West – North – East
Light transmission of the fabric 0–5 %

 West – North – East
Light transmission of the fabric 6 %

 North
Light transmission of the fabric 7–20 %

You can find additional information on this topic in the brochure “Optimale Lichtbedingungen für Bildschirmarbeitsplätze durch innenliegenden Sicht- und Sonnenschutz” (Optimal lighting conditions for monitor-based workplaces via internal privacy screens and sunshades) by the ViS (Association of internal sight and sun protection systems).

Care information

KADECO 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

Soiling (e.g. dust) can generally be removed with a soft clothes brush or carefully vacuumed off.



Damp cloth

To moist-wipe the pleated blind, place it on a smooth surface. Wipe the pleated blind carefully on both sides with a soft cloth that has been moistened with mild detergent.



Cleaning bath

Move the pleated blind around in a warm mild detergent solution (max. 30°C) for no more than 10 to 15 minutes. It is important to use a detergent with a particularly low concentration of surfactants. 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).

Important: 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 do we accept any liability for subsequent damage due to incorrect handling of our products.

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

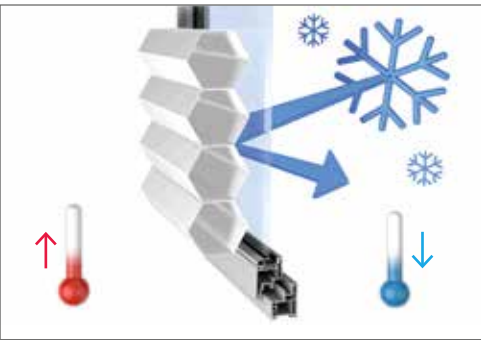


The honeycomb pleated blind collection

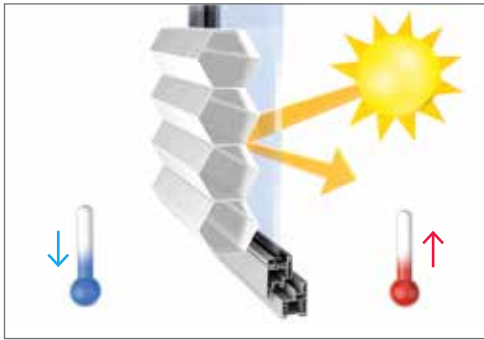
The benefits of honeycomb pleated blinds are clear to see – a cosy atmosphere created by diffuse light with no need for punched holes in the fabric and concealed cords. But that’s not all: the special honeycomb structure of the fabric forms pockets of air that provide insulation. During the cold winter months, thermal loss is reduced and thus heating energy saved. In the summer, honeycomb pleated blinds guarantee pleasant temperatures in the house while drastically reducing the need for cooling energy.



Insulation in winter
Honeycomb pleated blinds protect against thermal loss and save energy costs.



Reflection in summer
Honeycomb pleated blinds protect against heat radiation and guarantee a pleasant room climate.



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