

# DELITHERM®

Energy Efficient Fabrics





DELIUS develops high-quality contract fabrics with aesthetics and function for well-being environments.

DELITHERM® fabrics are unique; with a soft flowing drape and attractive shine they are decorative, hard wearing, and washable at 30° C thus helping to save energy. Thanks to special fibre, DELITHERM® protects your windows from excess sunshine in summer and heat loss in winter.

# ENERGY-SAVING CURTAIN AND DRAPE FABRICS FOR WINTER AND SUMMER

## Alpha DELITHERM® 29895



Semi-transparent curtain fabric with woven special yarns



## Eos DELITHERM® 41777



Soft flowing curtain fabric with woven special yarns



## Gamma DIMOUT DELITHERM® 21973



Dimout Curtain fabric with shiny yarn on the reverse side



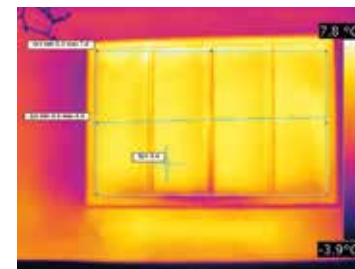


## DELITHERM® – OUR TEXTILE CONTRIBUTION TO THE REDUCTION OF CO<sub>2</sub> EMISSIONS

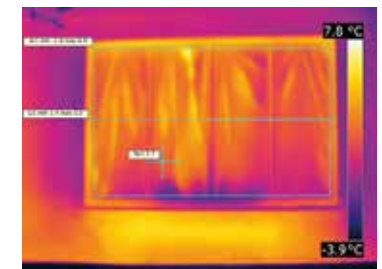
DELITHERM® fabrics are energy savers both in summer and winter. In summer the drawn curtains reduce solar radiation by up to 55% and prevent the extreme heating up of rooms. Equally, in winter DELITHERM® prevents the loss of heat through the window and keeps it in the room. One can save up to 15% of the heating cost.

In both cases our fabrics help to protect the climate. They reduce CO<sub>2</sub> emissions because the use of air conditioners, ventilators and radiators can be reduced.

DELITHERM® fabrics function similarly to sun protection systems but they are more durable, easy to clean and long lasting. Above all, they are the cosy alternative to the clean classic sun protection.



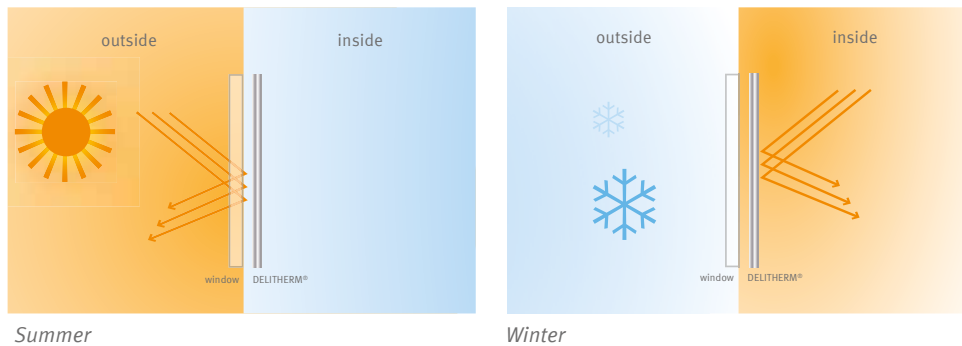
External thermographic/infrared image of a window, opened curtain



External thermographic/infrared image of a window, closed curtain

## HOW DOES DELITHERM® WORK?

DELITHERM® fabrics are made of high-gloss special yarns. These effectively reflect thermal radiation and thus ensure a comfortable indoor climate, regardless of the season. Tests conducted by the Fraunhofer Institute confirm these properties.



- ✓ energy saving thanks to the reflection of light rays and heat
- ✓ reduction of CO<sub>2</sub> emissions
- ✓ washable at 30° C
- ✓ soft drape
- ✓ hard-wearing in daily use; unlike coated sun protection qualities, there are no creases
- ✓ improves the thermal room atmosphere
- ✓ permanently flame retardant

## DELITHERM® FABRICS ARE USABLE AS:

- ✓ sheers
- ✓ curtains
- ✓ linings
- ✓ roman blinds
- ✓ panels

On our homepage you will find detailed information about the energy efficiency of our qualities.



approx. **15%**  
savings in heating  
costs during the winter

up to **55%** less  
solar radiation  
in the summer\*

\*tested by stfi

# LIGHT AND SOLAR TECHNICAL PROPERTIES

## Alpha DELITHERM® 29895

### Light technical properties (optical) according to DIN EN 410

TL	RI	AI
21 %	67 %	12 %

### Solar technical properties according to DIN EN 410

Ts	Rs	As
21 %	67 %	12 %

### Solar Properties Thermocoated Double Glazing

UV Transmission DIN EN 410	FC value DIN EN 14501 2006	G value DIN EN 13363
15 %	0,52 %	0,36 %

## Gamma DIMOUT DELITHERM® 21973

### Light technical properties (optical) according to DIN EN 410

TL	RI	AI
0 %	50 %	50 %

### Solar technical properties according to DIN EN 410

Ts	Rs	As
0 %	49 %	51 %

### Solar Properties Thermocoated Double Glazing

UV Transmission DIN EN 410	FC value DIN EN 14501 2006	G value DIN EN 13363
0 %	0,59 %	0,44 %

## Eos DELITHERM® 41777

### Light technical properties (optical) according to DIN EN 410

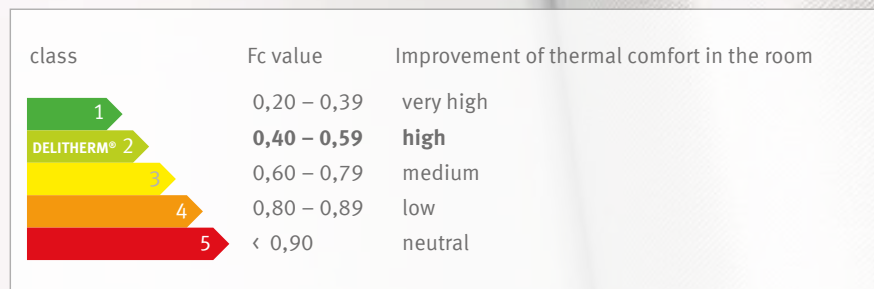
TL	RI	AI
8 %	73 %	19 %

### Solar technical properties according to DIN EN 410

Ts	Rs	As
9 %	72 %	19 %

### Solar Properties Thermocoated Double Glazing

UV Transmission DIN EN 410	FC value DIN EN 14501 2006	G value DIN EN 13363
1 %	0,44 %	0,33 %



Applies to all DELITHERM® articles.



Leading specialist of inherently  
flame retardant fabrics.

DELIUS GmbH & Co. KG  
Bielefeld | Germany  
info@delius.de