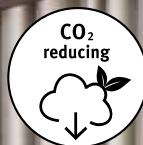


# DELITHERM®

Energy-Efficient Fabrics



**DELIUS**  
WORLD OF TEXTILES SINCE 1722



DELITHERM®

## Energy-efficient curtains to reduce 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 clean classic sun protection.

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

\*tested by stfi

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



## Energy-saving curtain and drape fabrics

DELITHERM® fabrics are unique: with their soft flowing drape and functional sheen, they are decorative and help save energy. The collection of DELITHERM® fabrics is versatile: it includes semi-transparent curtain fabrics, light curtain fabrics and dimout fabrics with an additional darkening function.

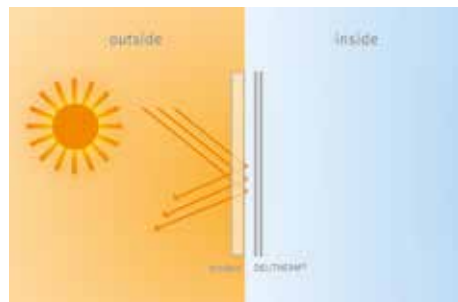
DELITHERM® fabrics are usable as

- ✓ sheers (Alpha)
- ✓ curtains | decorative fabric | darkening fabric (Gamma)
- ✓ linings
- ✓ roman blinds
- ✓ panels

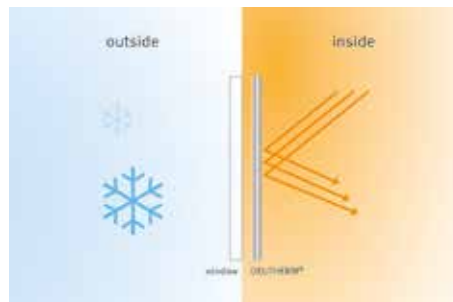


## How do energy-efficient fabrics work?

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.

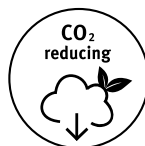


Summer



Winter

- ✓ energy saving thanks to the reflection of light rays and heat
- ✓ reduction of CO<sub>2</sub> emissions
- ✓ washable at 40° 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



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

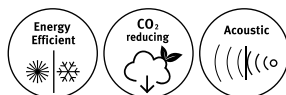
\*tested by stfi

## Collection of energy-efficient fabrics

**Alpha** DELITHERM® 29895 | 62 g/m²



A light and airy semi-transparent curtain fabric with woven-in special fibres. The high-gloss fabric reflects heat rays both in the room and to the outside. Also suitable as a lining fabric for curtains.



**Eos** DELITHERM® 41777 | 120 g/m²



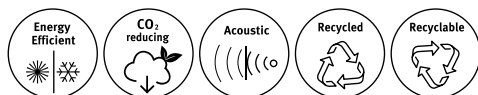
Soft flowing curtain fabric with a white front side. The reverse side made of high-gloss special yarn reflects heat rays and thus ensures a pleasant room climate.



**Save** DELITHERM® 39924 | 145 g/m²



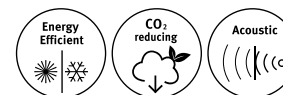
Save is a semi-transparent decoration fabric. It achieves its reflective effect through titanium oxide firmly embedded in the yarn and which reflects UV rays particularly effectively. Save is made of 30 % recycled polyester.



**Solis** DELITHERM® 39946 | 210 g/m²



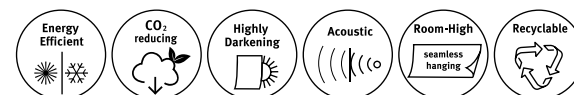
This soft flowing, opaque curtain fabric has a coloured front in a melange look. The reverse side is reflective, while the front embellishes the room.



**Gamma** DELITHERM® 21973 | 240 g/m²



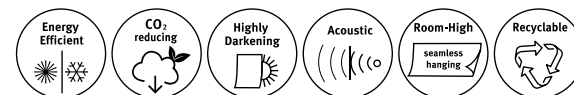
This dimout is energy-saving, darkening and particularly soft flowing. The glossy yarn on the reverse side ensures UV reflection, while the construction of the fabric provides up to 99 % darkening. Also available as a base cloth for special developments.



**Gamma Colour** DELITHERM® 28050 | 240 g/m²



Energy-saving, darkening and coloured. In addition to the energy-efficient properties and a blackout level of up to 99%, Gamma Colour is available in 11 colourways. Special colours from 100 m.



# Light and solar technical properties

|            |                              |                            |                                          |                                                 |                             |                              |
|------------|------------------------------|----------------------------|------------------------------------------|-------------------------------------------------|-----------------------------|------------------------------|
| DELITHERM® | Alpha<br>DELITHERM®<br>29895 | Eos<br>DELITHERM®<br>41777 | Gamma<br>DELITHERM®<br>21973<br>(DIMOUT) | Gamma Colour<br>DELITHERM®<br>28050<br>(DIMOUT) | Save<br>DELITHERM®<br>39924 | Solis<br>DELITHERM®<br>39946 |
|------------|------------------------------|----------------------------|------------------------------------------|-------------------------------------------------|-----------------------------|------------------------------|

| Light technical properties (optical) according to DIN EN 410 |      |      |      |      |      |      |
|--------------------------------------------------------------|------|------|------|------|------|------|
| TI                                                           | 21 % | 8 %  | 0 %  | 7 %  | 30 % | 7 %  |
| RI                                                           | 67 % | 73 % | 50 % | 68 % | 68 % | 68 % |
| AI                                                           | 12 % | 19 % | 50 % | 25 % | 2 %  | 25 % |

| Solar Properties Thermocoated Double Glazing |        |        |        |        |        |        |
|----------------------------------------------|--------|--------|--------|--------|--------|--------|
| UV Transmission<br>DIN EN 410                | 15 %   | 1 %    | 0 %    | 2 %    | 15 %   | 2 %    |
| FC value<br>DIN EN 14501 2006                | 0,52 % | 0,44 % | 0,59 % | 0,46 % | 0,50 % | 0,46 % |
| G value<br>DIN EN 13363                      | 0,36 % | 0,33 % | 0,44 % | 0,35 % | 0,38 % | 0,35 % |

| Solar technical properties according to DIN EN 410 |      |      |      |      |      |      |
|----------------------------------------------------|------|------|------|------|------|------|
| Ts                                                 | 21 % | 9 %  | 0 %  | 9 %  | 30 % | 9 %  |
| Rs                                                 | 67 % | 72 % | 49 % | 69 % | 65 % | 69 % |
| As                                                 | 12 % | 19 % | 51 % | 23 % | 5 %  | 22 % |



Latest information about the technical details and energy efficiency of the articles is available on the Internet.

| class        | Fc value           | Improvement of thermal comfort in the room |
|--------------|--------------------|--------------------------------------------|
| 1            | 0,20 – 0,39        | very high                                  |
| DELITHERM® 2 | <b>0,40 – 0,59</b> | <b>high</b>                                |
| 3            | 0,60 – 0,79        | medium                                     |
| 4            | 0,80 – 0,89        | low                                        |
| 5            | < 0,90             | neutral                                    |

Applies to all DELITHERM® articles.





Leading specialist of flame  
retardant contract fabrics

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