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trosifol™
world of interlayers

TROSIFOL™
WinSLT



Trosifol™ WinSLT is a new app for calculating the light, solar and heat parameters of glazing specifically containing films from the Trosifol™ product range. The calculation of these values has been certified by ift Rosenheim. The app can be downloaded from the Google Play Store or the Apple App Store and is also available online at the Trosifol™ website.

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trosifol@kuraray.com
www.trosifol.com

For further information on products of Kuraray, please visit www.kuraray.com.
You can find further information on our Trosifol® products at www.trosifol.com.

Kuraray America, Inc.
PVB Division
Wells Fargo Tower
2200 Concord Pike, Ste. 1101
Wilmington, DE 19803, USA
+ 1 800 635 3182

Kuraray Europe GmbH
PVB Division
Muelheimer Str. 26
53840 Troisdorf
Germany
+ 49 2241 2555 220

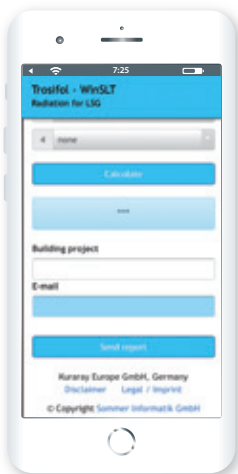
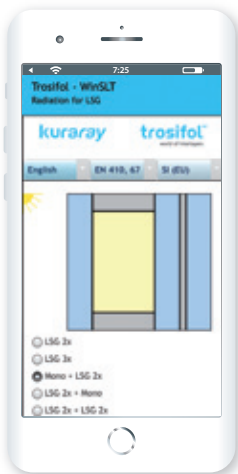
Kuraray Co., Ltd
PVB Division
1-1-3, Otemachi
Chiyoda-Ku, Tokyo, 100-8115
Japan
+ 81 3 6701 1508

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5/2018



TROSIFOL™ WinSLT: NOW AVAILABLE AS AN APP



WHAT CAN THE APP DO FOR YOU

- Calculates light, solar and heat parameters of glazing
- Uses data from films in Trosifol™ range
- Conforms with current standards, such as ISO 673, EN 410, EN ISO 52022-3 and ISO 15099
- Caters for different glass and film thicknesses and compositions
- Outputs reflection, transmittance, absorption and temperature curves

Available now for your iPhone or Android smartphone in the App Store and Google Play Store. Also available online at the Trosifol™ website: <https://www.trosifol.com/de/trosifol-winslt-tool/>

FURTHER INFORMATION ON THE SOFTWARE DEVELOPER:

Sommer Informatik GmbH
www.sommer-informatik.de
info@sommer-informatik.de

Project: 2018_04_27
Position: 01
Layer composition (outside to inside)

Number	BE Description	mm
1	Annealed glass (ANG)	4.00
2	Trosifol® Ultraclear	0.76
3	Annealed glass (ANG)	4.00
		8.76

Transmission, reflexion, absorption

$P_v = 0.08$ (Light reflection factor outside)
 $P_i = 0.08$ (Light reflection factor inside)
 $P_{e0} = 0.07$ (direct radiation reflection factor outside)
 $P_{e1} = 0.07$ (direct radiation reflection factor inside)
 $\alpha_e = 0.20$ (direct radiation absorption factor)

EN 410
 $SC = 0.90$ (Shading Coefficient, g/0,87)
 $b\text{-Faktor} = 0.98$ (VDI 2078, g/0,80)

EN 673 Installation angle = 90° vertical
EN ISO 52022-3 $T_{e0} = 5.00\text{ °C}$ $T_i = 20.00\text{ °C}$
 $g_{th} = 0.030$ (Thermal radiation factor)
 $g_c = 0.018$ (Convection factor)
 $g_v = 0.000$ (Ventilation factor)

EN 410
 $T_{uv} = 0.00$ (ultraviolet transmittance)
 $T_v = 0.88$ (Light transmission)
 $T_e = 0.73$ (direct radiation transmission factor)
 $R_a = 98$ (general color rendering index (CRI))

$q = 0.05$ (secondary heat inside)
 $g = 0.78$ (Total energy transmission factor)

$U_p = 5.5\text{ W/m}^2\text{K}$ (Heat transfer coefficient)
 $E_s = 300.00\text{ W/m}^2$ System = 1.50 m
 $h_{c,e} = 18.00\text{ W/m}^2\text{K}$ $h_{c,i} = 3.60\text{ W/m}^2\text{K}$
 $q = 0.048$ (secondary heat inside)
 $g = 0.78$ (Total energy transmission factor)

Spectral values (wavelength in nm)

Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturer's spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturer's data. For the declaration of performance the manufacturer's data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3
 If-certified it, validation report no. 430 42167 (status as of 11/2009)
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