



FLACHGLAS Wernberg GmbH
Nuernberger Strasse 140
D-92533 Wernberg Koeblitz



06

EN 1863-2

Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 4 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	4 mm
Direct Airbone Sound Insulation	29 (-2;-3) dB
Thermal Properties	5,8 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,92 / 0,08
• Solar Transmittance / Reflectance	0,91 / 0,08



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Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 5 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	5 mm
Direct Airbone Sound Insulation	30 (-1;-2) dB
Thermal Properties	5,8 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,92 / 0,08
• Solar Transmittance / Reflectance	0,90 / 0,08



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Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 6 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	6 mm
Direct Airbone Sound Insulation	31 (-2;-3) dB
Thermal Properties	5,7 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,91 / 0,08
• Solar Transmittance / Reflectance	0,90 / 0,08



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06

EN 1863-2

Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 8 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	8 mm
Direct Airbone Sound Insulation	32 (-2;-3) dB
Thermal Properties	5,7 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,91 / 0,08
• Solar Transmittance / Reflectance	0,89 / 0,08



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EN 1863-2

Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 10 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	10 mm
Direct Airbone Sound Insulation	33 (-2;-3) dB
Thermal Properties	5,6 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,91 / 0,08
• Solar Transmittance / Reflectance	0,88 / 0,08



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06

EN 12150-2

Heat strengthened soda lime silicate glass, intended to be used in buildings and construction works

Heat strengthened Optiwhite 12 mm

Properties

Resistance To Fire	NPD
Reaction To Fire	A1
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Burgular Resistance	NPD
Pendulum Body Impact Resistance	NPD
Resistance Against Sudden Temperature Changes and Temperature Differentials	100 K
Wind, Snow, Permanent and Imposed Load Resistance	12 mm
Direct Airbone Sound Insulation	34 (-0;-2) dB
Thermal Properties	5,5 W/(m ² K)
Radiation Properties	
• Light Transmittance / Reflectance	0,90 / 0,08
• Solar Transmittance / Reflectance	0,87 / 0,08