



FLACHGLAS Wernberg GmbH
Nuernberger Strasse 140
D-92533 Wernberg Koeblitz



06

EN 12150-2

Thermally toughened soda lime silicate safety glass,
intended to be used in buildings and construction
works

DELODUR Bronze 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	1(C)2
Resistance Against Sudden Temperature Changes and Temperature Differentials	200 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	0,61 / 0,06
• Solar Transmittance / Reflectance	0,59 / 0,06



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Thermally toughened soda lime silicate safety glass,
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DELODUR Bronze 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	1(C)2
Resistance Against Sudden Temperature Changes and Temperature Differentials	200 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	0,55 / 0,06
• Solar Transmittance / Reflectance	0,53 / 0,06



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DELODUR Bronze 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	1(C)2
Resistance Against Sudden Temperature Changes and Temperature Differentials	200 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	0,50 / 0,06
• Solar Transmittance / Reflectance	0,47 / 0,06



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Thermally toughened soda lime silicate safety glass,
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DELODUR Bronze 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	1(C)2
Resistance Against Sudden Temperature Changes and Temperature Differentials	200 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	0,40 / 0,05
• Solar Transmittance / Reflectance	0,38 / 0,05



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EN 12150-2

Thermally toughened soda lime silicate safety glass,
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DELODUR Bronze 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	1(C)1
Resistance Against Sudden Temperature Changes and Temperature Differentials	200 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	0,33 / 0,05
• Solar Transmittance / Reflectance	0,31 / 0,05