



Trakya Cam Sanayii A.Ş.
Adres: İş Kuleleri Kule 3 34330
4.Levent- İSTANBUL/TÜRKİYE
07

EN 14449

Laminated safety glass, intended to be used in buildings and construction works

**Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 33.1**

Characteristics

| | |
|--|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance | NPD |
| Pendulum body impact resistance | 2 (B) 2 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 33.1 |
| Direct airborne sound reduction | 32 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,7 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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Laminated safety glass, intended to be used in buildings and construction works

Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 33.2

Characteristics

| | |
|---|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P1A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 33.2 |
| Direct airborne sound reduction | 32 (-1; -3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,6 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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**Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 44.1**

Characteristics

| | |
|--|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P1A |
| Pendulum body impact resistance | 2 (B) 2 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 44.1 |
| Direct airborne sound reduction | 33 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,6 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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**Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 44.2**

Characteristics

| | |
|--|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P2A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 44.2 |
| Direct airborne sound reduction | 33 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,6 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: *No Performance Determined*



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Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 55.1

Characteristics

| | |
|---|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P1A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 55.1 |
| Direct airborne sound reduction | 34 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,6 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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Laminated safety glass, intended to be used in buildings and construction works

Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 55.2

Characteristics

| | |
|---|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P2A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 55.2 |
| Direct airborne sound reduction | 34 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,5 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 66.1

Characteristics

| | |
|---|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P1A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 66.1 |
| Direct airborne sound reduction | 34 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,5 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined



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Laminated safety glass, intended to be used in buildings and construction works

Clear Float Glass+ Opaque PVB + Clear Float Glass,
LAMEKS® 66.2

Characteristics

| | |
|---|----------------------------|
| Resistance to fire | NPD |
| Reaction to fire | NPD |
| External fire behaviour | NPD |
| Bullet resistance | NPD |
| Explosion resistance | NPD |
| Burglar resistance (EN 356) | P2A |
| Pendulum body impact resistance | 1 (B) 1 |
| Resistance against sudden temperature changes and temperature differentials | NPD |
| Wind, snow, permanent and imposed load resistance of the glass unit | 66.2 |
| Direct airborne sound reduction | 34 (-1; - 3) dB |
| Thermal properties | |
| U-value (EN 673) | 5,4 W / (m ² K) |
| Normal emissivity (EN 12898) | 0,89 |
| Radiation properties | |
| Light transmission and reflection | NPD |
| Solar energy characteristics | NPD |

NPD: No Performance Determined