

Specification Text

Solar Control Low-E
ISOLAR®
Solarlux® A-Series



Product Characteristic

Insulating glass unit (IGU) with highly selective and low-emissivity solar protective coatings according to the following arrangement in facade orientation and building level to optimize the light transmission and solar heat gain of the individual building orientations and floors while maintaining a uniform colour appearance of the glass facade.

Insulating glass acc. EN 1279

| Application | | | |
|-------------|-------------------------|-------------|-------|
| | Coating | Orientation | Level |
| 1) | Solarlux® A70 /// 63.35 | | |
| 2) | Solarlux® A60 /// 56.31 | | |
| 3) | Solarlux® A50 /// 48.26 | | |
| 4) | Solarlux® A40 /// 39.21 | | |

Insulating glass unit (from the outside to inside):

Single glass thickness / - type: (or nominal thickness) 6: mm
 Coating: per application
 Coating position: 2
 Insulating glass unit gap: 14 mm
 Single glass thickness / - type: (or nominal thickness) 4 mm
 Insulating glass unit gap: 14 mm
 Single glass thickness / - type: (or nominal thickness) :4 mm
 Coating and position: advance N34 on #5

Total thickness of insulated glass unit 42 mm
 (total thickness made up by nominal thickness and IGU gap)

Glass thicknesses according to static requirements

Technical values according to EN410/EN673:

The following technical values must at least be specified (vertical installation):

| | Solarlux® A70 /// | Solarlux® A60 /// | Solarlux® A50 /// | Solarlux® A40 /// | |
|--|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|
| Product name | 63.35 | 56.31 | 48.26 | 39.21 | |
| Heat transfer coefficient (U _g): | 0.6 | 0.6 | 0.6 | 0.6 | W/(m²K) acc. EN 673 |
| Light transmission: | 63% | 56% | 48% | 39% | acc. EN 410 |
| Light reflection outside: | 15% | 16% | 19% | 23% | acc. EN 410 |
| Solar Heat Gain (g-value): | 35% | 31% | 26% | 21% | acc. EN 410 |
| Sound insulation R _{w,p} : | 38 | 38 | 38 | 38 | db acc. EN ISO 717-1 |
| Transm. color rendering index. (Ra): | 95 | 95 | 93 | 90 | acc. EN 410 |

Deviating technical values resulting from other glass thicknesses or glass types shall be communicated to the Contractor.

Amount: Unitt: sqm