



Sun protection films OPALFILM® OPTIMAL series



The OPALFILM® OPTIMAL series of sun protection films represents a fast and inexpensive retrofit solution that provides effective shielding against sun and heat. Thanks to their high heat rejection, the films are able to reduce the cooling load of air-conditioning systems and in turn lower energy costs, resulting in an optimum CO2 balance for the building. This leads to a discernible improvement in the indoor climate and enhanced room comfort, whether at home or in the workplace. These spectrally selective films are suitable for a wide range of architectures and can be installed not only in modern buildings but also in designated listed monuments.

Sun protection film: OPTIMAL 70 NR sr Primus

OPALFILM® OPTIMAL 70 sun protection film is a flat glass film designed for use in external applications. It is the combination of high transparency levels with a high degree of heat protection, high heat rejection and effective UV-protection that makes this film so special. The film has high transmission values and offers a very high level of glass compatibility as well as a scratch-insensitive surface.

Sun protection film: OPTIMAL 45 NR sr Primus

Similarly, OPALFILM® OPTIMAL 45 sun protection film is suitable for a wide range of architectures and is designed as a retrofit solution. It offers effective sun shielding and a high level of protection against harmful UV radiation. Despite its transparent appearance, Type 45 film has a 45% transmission value, which gives it a slightly dark tint. However it still maintains good visibility, both to the inside and the outside.

Characteristics at a glance:

- High transparency
- Good heat protection and high heat rejection
- Good level of UV protection
- Spectrally selective – no signal interference
- Fast and cost-effective retrofit solution
- Installation involves no changes to the building
- Improves indoor climate, reduces load on air-conditioning, lowers energy costs
- Construction uses nanotechnology

Areas of application:

- Retail facilities, shopping malls
- Museums and art galleries
- Office buildings
- Logistics halls and commercial buildings
- Private residences
- Hotels
- Restaurants

See our supplementary data sheet for additional technical values and specifications.