


**BLACK 15**

With its well-appointed design, the Black 15 automotive film combines discretion and privacy from prying eyes with technical efficiency in reflecting solar heat.



Warranty  
**10 YEARS**



Fire-resistance rating  
**M1**



Storage from -5°C to +40°C  
**3 YEARS**



REACH RoHS compliant  
**RESPECTED**

**WIDTHS AVAILABLE:**

- ↔ **51 cm**
- ↔ **76 cm**
- ↔ **101 cm**
- ↔ **152 cm**

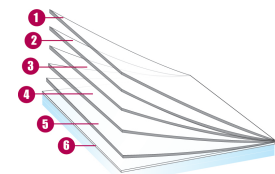
**TECHNICAL DATASHEET**

Data calculated based on film applied to clear glass 3 mm thick (\*on double glazing 4-16-4)

Ultraviolet transmission	1 %
Visible light transmission	12 %
Reflection of external visible light	6 %
Reflection of internal visible light	6 %
Total solar energy rejected	47 %
Total solar energy rejected 2*	40 %
Solar ratio :	
Solar energy reflection	8 %
Solar energy absorption	42 %
Solar energy transmission	34 %
Reduction in Solar Glare	85 %
g-value	NC
u-value	NC
Heat loss Reduction (Winter)	
Rejected Infrared (760-2500 nm)	
Shading coefficient	
Installation type : Internal application	
Roll length	30,5 m
PET / PVC composition	PET
Thickness	40 µ
Colour : BLACK	

**CONSTRUCTION**

1. Hard scratch resistant layer, for durability and ease of maintenance during window cleaning
2. Dyed polyester without optical distortion
3. Bonding adhesive
4. High optical quality polyester, with anti-heat IR particles
5. PS adhesive, glass polymerization within 15 days
6. Protection release liner, disposable after installation


**MAINTENANCE INSTRUCTIONS**

Soapy water solution (ref. 0805 Film on), do not clean for at least a month and do not apply any type of sticker or adhesive on the film.

*Non-contractual data. We reserve the right to modify the composition of our films at any time. Consult our warranty documents.*

**INSTALLATION ADVICE**

Vertical installation and on standard glass surface\*\*

Clear single pane	✓
Tinted single pane	✗
Reflective tinted single pane	✗
Clear double pane	✗
Tinted double pane	✗
Reflective tinted double pane	✗
Gas-filled double pane - Low E	✗
STADIP EXT. clear double pane	✗
STADIP INT. clear double pane	✗

✓ Yes ! Caution ✗ Not recommended

\*Recommendations provided on the basis of a glazed surface covering up to 2.5m<sup>2</sup>, contact us for definitive details or to obtain a thermal chock analysis report.