

TGK FLAME

Energy saving, solar reflection, firebreak performance

TGK FLAME is made of 4mm wide aluminium and polyester strips held together with a strong polyester filament yarn. Special aluminium and polyester give TGK FLAME its superior reflection and transmission efficiency. This guarantees a low daytime temperature as well as very high energy savings, and keeps the crop temperature close to the ambient temperature during the night. The result is a better climate in the greenhouse with minimum risk for dew formation on the leaves, reducing disease problems and lowering the energy costs.

TYPE	LIGHT TRANSMISSION		ENERGY SAVING
	DIRECT	DIFFUSED	
TGK FLAME I	70%	65%	49%
TGK FLAME II	56%	53%	52%
TGK FLAME III	46%	43%	57%
TGK FLAME IV	36%	34%	62%
TGK FLAME V	25%	24%	67%
TGK FLAME VI	14%	14%	72%

The knitted structure allows sufficient water vapour to pass through, preventing condensation drops to form on the underside of the screen. The flexible structure also allows the screen to be folded into a very small bundle in an open position, making a maximum light transmission possible.

TGK FLAME is an inside screen for all types of greenhouses and greenhouse covering materials. In order to achieve the intended firebreak properties, TGK FLAME should be used in flat sliding systems installed with a fire resistant support wire at 3.20 m or less between them.

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As TGK FLAME is a highly UV-stabilized product with excellent antistatic properties, the screen will stay clean and efficient for many years. The applied UV-stabilizers are resistant to common chemicals used in greenhouses

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