

## SOLAR REFLECTION SCREENS

### TGK SPOTLIGHT

Solar reflection, firebreak performance.

TGK SPOTLIGHT screens consist of 4 mm aluminium strips with open spaces in between, everything held together with a strong polyester filament yarn. Special aluminium and polyester gives TGK SPOTLIGHT its superior reflection and transmission efficiency. The open spaces allow for sufficient airflow, resulting in a considerable reduction of the air temperature. Even with high outside temperatures, the screen ensures an optimal growing and working climate.

TGK SPOTLIGHT screens have a flexible structure. In an open position, they easily fold into a very small bundle, allowing for maximum light transmission.

Due to the open structure, TGK SPOTLIGHT offers only limited energy savings. Closing the screen at night, however, will lead to considerable decreases in radiation loss from the crops; plant temperature will stay higher. The risk of condensation on the crop is therefore minimal, thus the risk of any fungus diseases as well.

TYPE	LIGHT TRANSMISSION		ENERGY SAVING
	DIRECT	DIFUSSED	
TGK SPOTLIGHT I	59%	56%	20%
TGK SPOTLIGHT II	50%	47%	20%
TGK SPOTLIGHT III	39%	37%	25%
TGK SPOTLIGHT IV	27%	27%	30%
TGK SPOTLIGHT V	14%	14%	35%

As TGK SPOTLIGHT 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.

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