

# D-GREE



## D-GREE

# Heat reducing diffuse coating



- Reflects heat radiation (NIR) from the greenhouse
- Retains light for growth (PAR)
- Maximum wear resistance
- Fixed dosage
- Easy to remove with Removit

[royalbrinkman.com](http://royalbrinkman.com)



**royal brinkman**

global specialist in horticulture



### Heat reducing diffuse coating

D-GREE is a weather and heat reducing diffuse coating. D-GREE is similar to D-FUSE, however, with the addition of thermal radiation reflection, known as Near Infra-Red Light (NIR). Due to an optimal light diffusion D-GREE reduces shading in the greenhouse and it also provides more PAR light reception at the bottom and in the middle of the crop. This leads to an increase in photosynthesis, which improves the quality and growth of the crop. With the addition of heat reducing properties, D-GREE creates a more stable and cooler greenhouse climate throughout the season.

### Minimal wear off

User experiences have shown that the wear in the tops of the greenhouse is minimal. A good and long-lasting cover of the greenhouse's ridge is an important aspect in a successful shading strategy. The ridge of the greenhouse roof, compared to other parts of the greenhouse, receives the longest sunlight; from sunrise to sunset. The roof of the greenhouse is also the most subject to weather influences such as wind, rain, hail and UV radiation. The high wear resistance of D-GREE guarantees a long lasting pleasant (working) climate for both, plants and human.

### Shading percentage

Through experience we have found that a dilution ratio of 13 buckets of D-GREE per hectare provides the most optimal climate and diffusivity for your crop. The table shows the shading percentage compared to 13 buckets of D-GREE per acre.

Buckets per hectare	% Shading in PAR +/-	% Shading in NIR +/-	% Haze (diffusivity)	Lifespan (weeks) +/-	Weather resistance
13	15 - 20%	46%	93%	16 - 20	Maximum

Lifespan is measured in average European weather conditions. Extreme weather conditions may slightly affect the values specified in the table.

### Removal

D-GREE can be easily removed at any time from the greenhouse deck with Removit. By spraying with Removit in the right dosage, the greenhouse roof will be clean again after a few showers. If there is no rain for more than a week, a repeat treatment may be necessary. You can also choose to rinse D-GREE off with water immediately after spraying the greenhouse roof.

### Environment, storage and application

D-GREE contains no environmentally harmful components and complies the Dutch discharges decree. D-GREE must be stored frost-free. The product has a shelf life of one year. If D-GREE is older than one half year, it must first be stirred in the bucket before adding it to clean water. D-GREE should be applied when the weather is dry, above 5°C and when no rain is expected.

### More information

For more information on these or other products please contact your local Royal Brinkman account manager or contact Royal Brinkman International: +31 174-446100. More information is also available on our website: [www.royalbrinkman.com](http://www.royalbrinkman.com)