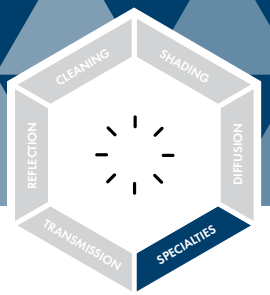
ReduFlex BLUE

REMOVABLE GREENHOUSE COATING FOR REDUCED BLUE LIGHT AND HEAT PROTECTION





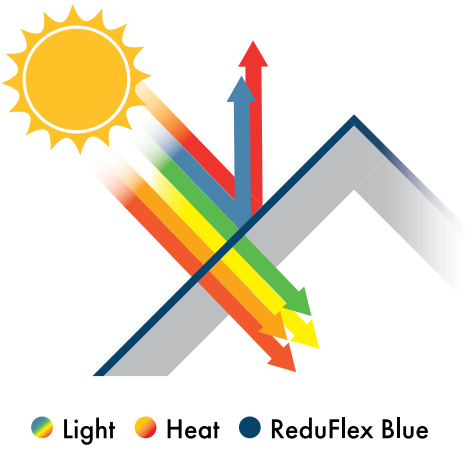
ReduFlex Blue is a photo-selective coating which has a beneficial effect on the cultivation and production of cut roses because it transmits relatively less blue light than red light. It also reflects high levels of infrared radiation (heat).

As a result, the ratio between the light colors changes. ReduFlex Blue improves photosynthesis by allowing crops to reap optimal benefits from relatively high amounts of red light. At the same time, it lowers the greenhouse and plant temperatures by more reflection of high-energy blue light and infrared radiation. With certain crops that are sensitive to this, it increases stem length. This is often much desired for cut flowers like roses.

PROPERTIES

- Suitable for glass, acrylate, polycarbonate, and plastic film.
- Highly wear-resistant.
- Easily combined with other ReduSystems products. Note: when using multiple layers, ReduFlex Blue should always be the first layer on the greenhouse.

SPRING SUMMER AUTUMN WINTER



DO YOU WANT TO MAKE OPTIMAL USE OF SUNLIGHT ALL YEAR ROUND?

REDUSYSTEMS.COM

HOW TO APPLY?



DRONE



MACHINE



HELICOPTER



MANUAL

The best and longest-lasting results, with optimum light transmission, are obtained when ReduFlex Blue is applied to a clean, dry greenhouse roof, as follows:

- ✓ Apply ReduFuse IR only under fast-drying circumstances. (T > 10°C/50°F + RH < 80%)
- ✓ Fill the mixing tank with the required quantity of clean water and add ReduFlex Blue, stirring continuously.
- ✓ Stir the spray liquid frequently during the application.
- ✓ Apply ReduFlex Blue evenly to the greenhouse surface, preferably using a spraying machine.
- ⊗ Do not use any non-ReduSystems shading products in combination with ReduFlex Blue.
- ⊗ Do not apply when rain is expected within 12 hours, respect drying time.

BUCKETS PER HECTARE	BUCKETS PER ACRE	NET PAR SHADING	NET NIR SHADING
22	9	37%	46%
18	7	30%	38%

Values are based on Wageningen University & Research measurements. The values mentioned are the maximum shading values possible and applied in laboratory circumstances. Depending on the application method, weather, and greenhouse type, shading values in practice can differ.

Note: *The number of buckets (each containing 15KG/3.54 US gal) can vary depending on the crop, climate, and type of greenhouse.* ***Products need to be mixed with water****, and the total amount of spraying liquid (water + coating) varies according to the application method. Net shading does not include structure.*

HOW TO REMOVE?

- ReduFlex Blue can be easily removed using ReduClean. For optimal results, dilute 250 liters of ReduClean per hectare (26 US gal/acre) with water at a ratio of 1:5 to 1:7. Ensure it is evenly spread over a dry greenhouse surface. Do not spray during rainy conditions or when strong winds exceed 2 m/s.
- When cleaning mechanically allow ReduClean to soak minimal 15 minutes before brushing. Alternatively, ReduClean can be applied when a considerable amount of rain is expected within one week. The rain will wash off the ReduFlex Blue layer.



Contact us for more information and technical advice:

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ReduSystems® is the global leading brand in developing coatings and cleaners for greenhouse cultivation. The products control the incidence of natural light and heat to optimise the climate for the crop in every season - from a cooler climate in summer and more light in winter, to diffuse light and changing the light spectrum.

ReduSystems is a brand of Lumiforte®