TECHNICAL DATASHEET SPRAYCHALK



Product information

Category	Temporary shading coating for greenhouses
Description	SprayChalk is a temporary shading coating for greenhouses. SprayChalk is normally used during periods of high solar radiation. It is easy to apply and the shading percentage can easily be adjusted. SprayChalk can be applied on top of other coatings in the summer and will wear off the greenhouse by a few rain showers.
Properties	• Adjustable shading percentages • Easy to mix with water • No clogged nozzles due to well-dispersed chalk • Is washed off the greenhouse by a few rain showers • Can be used as an extra layer on top of other ReduSystems coatings
Recommended use	For exterior greenhouse covers
Recommended surface	Suitable for glass, acrylate, polycarbonate and plastic film
Identified users	Industrial – for professional use only

Technische specificaties

Physical state	Liquid
Colour	Beige
Odour	Characteristic
pH	8 - 9
Flammability (solid, gas)	Non flammable
Density	1,6 g/cm^3
Viscosity	11000 mPa.s Brookfield RV, spindle 5, 10 rpm, 20°C
Wear resistance	SprayChalk will wear of the greenhouse by a few rain showers.
Transport regulation (ADR, RID, IMDG, IATA, IDN)	No restrictions

Storage conditions

Packaging	20 kg bucket (= 12,2 L) 1 pallet contains 33 buckets
Shelf life	Unopened containers have a shelf life of 2 years. After one year, it is necessary to stir well before mixing with water. Keep only in the original container in a cool, well-ventilated place. Products should be protected against frost (below 0 °C) and overheating (above 35 °C).

This technical datasheet is based on many years of experience. We can not be held liable for any damages resulting from the use of this product or any damages beyond her control. The customer should check, using the means normally available to him, whether the products supplied are suitable for the planned application. If in doubt, consult our technical specialists via sales@redusystems.com.

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Instructions for use

Surface preparation	The surface must be clean and dry before the application of SprayChalk. Preferably close the irrigation basin during the application of SprayChalk.
Weather conditions	• An outside temperature of between 5 and 40 °C • Wind speed of less than 2 m/s (7 km/h) • For fast drying: relative humidity (RH) < 80 % • Do not apply SprayChalk to a wet surface or in the rain
Equipment	Application should be done by spraying the liquid on the surface: • By spraying machine • By hand with a spraygun • By helicopter
Personal protection	• Safety glasses • Protective gloves

Quantity

	BUCKETS/HA		HEMISPHERICAL NET SHADING EXCL. GLASS	HEMISPHERICAL GROSS SHADING INCL. GLASS	PERPENDICULAR NET SHADING EXCL. GLASS	
	MACHINE	**MANUAL**	**PAR**	**PAR**	**PAR**	**NIR**
SprayChalk	10	11	59%	66%	58%	55%
25 kg = 15,2 L	5	6	38%	49%	32%	30%

The values mentioned are maximum shading values possible and applied in laboratory circumstances. Depending on the application technic, weather and greenhouse type, shading values in practice can differ.

Dilution	Dilute SprayChalk with clean water to prepare your spray liquid: Machine application: 1,000 – 1,500 liter spray liquid per 10.000 m² Manual application: 1,700 – 2,000 liter spray liquid per 10.000 m²
Drying time	The exact drying time also depends on other conditions such as amount of applied SprayChalk, outside temperature, glass temperature and wind speed. The coating should be dry before nightfall because condensation may damage the layer.
Removal	Rain will wear off the SprayChalk layer. Check if the waterways and surroundings are suitable for the inflow of SprayChalk.

Environment

Milieuvoorzorgsmaatregelen	Always dilute products with water in the right amount before use. Apply the coating by machine if possible, this gives a more uniform layer and less loss of product into the environment.

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