TECHNICAL DATASHEET REDUCLEAN



Product information

Category	Cleaner to remove ReduSystems coatings
Description	ReduClean has been specially developed to easily remove ReduSystems coatings from the greenhouse cover when they are no longer required. ReduClean can be used to remove ReduSol, ReduHeat and ReduFlex Blue. To remove ReduFuse and ReduFuse IR, a special version of ReduClean is needed: ReduClean for diffuse coatings.
Properties	• ReduClean makes the binder used in the ReduSystems coatings water-soluble. Rain then washes away the coating. • Suitable for any greenhouse cover: glass and all types of plastic. • ReduClean can be used in combination with AntiReflect only when the coating is removed by rain.
Recommended use	For the removal of ReduSystems coatings
Recommended surface	Suitable for glass, acrylate, polycarbonate and plastic film
Identified users	Industrial – for professional use only

Technical specifications

Physical state	Liquid
Colour	Colourless to slightly yellow
Odour	Characteristic
pH	14
Flammability (solid, gas)	Non flammable
Explosive properties	None
Density	1,1 g/cm^3
Viscosity	1600 mPa.s Brookfield LV, spindle 3, 5 rpm, 20°C
Transport regulation (ADR, RID, IMDG, IATA, IDN)	Yes, class (ADR): 8, packing group: III

Storage conditions

Packaging	20 L can 1 pallet contains 48 cans
Shelf life	Unopened containers have a shelf life of 3 years. 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

Preparation	Shake cans well before use. Check whether the waterways and surroundings are suitable for the inflow of ReduClean. Preferably close the inlet of the irrigation basin from the start of the application until the shading material is removed. *Note: Standard greenhouse cover materials will not be damaged by ReduClean. For specially treated greenhouse cover materials (diffuse glass, AR coatings), please contact your supplier.*
Weather conditions	• An outside temperature of between 5 and 20°C • Wind speed of less than 2 m/s (7 km/h) • Relative humidity (RH) < 90 % • Do not apply ReduClean on a wet surface or during rain because it needs at least 15 minutes to react with the coating
Equipment	Application should be done by spraying the liquid on the surface. • By spraying machine • By hand with a spraygun • By helicopter
Personal protection	Avoid contact with skin and eyes and wear a safety mask, protective gloves and protective clothing.
Dilution	Spray at least 250 L ReduClean per hectare diluted with 5-7 parts of clean water, stirring continuously.
Application	Apply ReduClean evenly to a dry greenhouse surface and allow it to soak in for at least 15 minutes before brushing. Or apply ReduClean when a considerable amount of rain is expected within one week. The rain will wash off the coating. Make sure that the entire coating is moistened. Sections that are not moistened will not be removed. *Note: Use of roof-sprinklers for cooling can cause removal problems. Do not use rooftop sprinklers for rinsing purposes.* *Do not use any other cleaning agents to remove ReduSystems coatings.*

Effect on crops and environment

Tests	2001 Mardenkro B.V. Environmental impact study: ReduClean can give water a temporary higher pH. It will drop quickly below 10 after only 3 mm of rain or when it is further diluted with water. 2014 Groen Agro Control. Effect on irrigation water: No signs of impact on plant growth or root development when disposed in sufficient amount of water (1.4 g/L).
Environmental precautions	Always dilute products with water in the right amount before use and rinse with a large amount of water. Dispose in a safe manner in accordance with local/national regulations. Avoid visual discoloration (temporary and harmless) of the water by: • Dispose in a wide river with sufficient capacity and enough flow. • A discharge point above the waterline can cause foaming, drain the pipe under the waterline. If the cleaning water is collected and re-used: facility needs separate compartments because the remains of the coating and cleaner need time to settle down. Check the usability of the irrigation water in the basin after cleaning.

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