TECHNICAL DATASHEET ANTICONDENS



Product information

Category	Transmission coatings
Description	Large condensation droplets block light from entering the greenhouse. AntiCondens creates a hydrophilic layer that prevents the formation of droplets on the inside of a glass or plastic greenhouse cover by condensation. Instead of droplets, a thin water film is formed. This provides more light into the greenhouse and reduces damage and diseases.
Properties	• Improves light incidence up to 5% • Improves production and saves energy • Prevents droplets from falling on the crop and reduces disease pressure (Botrytis) • Wear-resistant, remains intact throughout the season • Available for greenhouse glass and plastic film
Recommended use	For the inside of greenhouses
Recommended surface	Glass or plastic (two types available)
Identified users	For professional use only

Technical specifications

Physical state	Liquid
Colour	Opalescent
Odour	Characteristic
Flammability (solid, gas)	Nonflammable
Explosive properties	None
Solubility	Soluble in water
Density	1,1 g/cm^3
Viscosity	3 mPa.s Brookfield LV, ULA adapter, 100 rpm, 20°C
Transport regulation (ADR, IMO, IATA)	No restrictions

Storage conditions

Packaging	20 liter can 1 pallet contains 48 cans
Shelf life	Unopened cans have a shelf life of 1 year. 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	AntiCondens should be applied to the inside of the greenhouse, preferably when the greenhouse is empty. The surface should be clean, dry and free from other substances. *Note: When AntiCondens is going to be sprayed above a crop, we strongly recommend testing for phytotoxicity. Spray a small amount of diluted AntiCondens on the crop and check for any effects before starting the application.*
Climate conditions	For the best result, make sure the greenhouse is well ventilated and heated for the drying process.
Dilution	AntiCondens is used in a dilution ratio of 1:15. For example, for 1 hectare mix 60 liters of AntiCondens with 940 liters of clean water to prepare 1,000 liters of spray liquid.
Personal protection	Avoid eye and skin contact by wearing protective gloves, a safety mask and protective clothing. Wash hands and other exposed areas with mild soap and water after application. Provide good ventilation to prevent formation of vapour.
Application	Apply AntiCondens by spraying from the gutter to the top of the ridge. The glass should be entirely moistened but try to avoid splashing too much spray liquid onto the glass. After application, allow the treated surface to dry thoroughly. You can speed up the drying process by keeping the greenhouse well ventilated and heated. If applied well, AntiCondens will remain active the entire season.
Equipment	Application should be done by spraying the liquid on the surface: • By spray robot (preferred option): Use a spray robot with the standard equipment at maximum driving speed. Use small nozzles to create less drops and a minimum of water while spraying. • By hand with a spray gun or spray lance: Use a high-pressure pump and a spray boom with a small nozzle. Spray the AntiCondens dilution as a mist against the glass until the surface is entirely moistened.

Environment

Environmental precautions	• Dispose in a safe manner in accordance with local/national regulations. Prevent entry to sewers and public waters. • We recommend that you do not let the rinse water flow into the water reservoir. • In case of contact with skin or eyes, rinse with water. If swallowed, consult a physician.

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