TECHNICAL DATASHEET PIPEPAINT



Product information

Category	Reflective paint for greenhouses
Description	PipePaint is a waterborne, solvent-free coating which makes heating pipes highly reflective. This ensures that the maximum amount of light reaches the crop. PipePaint can be used to paint untreated or new metal as well as previously painted surfaces. When applied according to instructions, PipePaint will not produce any damage to plants.
Properties	• Prevents premature corrosion of the heating pipes • More heat radiation resulting in energy savings • Reflects light so that it reaches the crop • Very wear-resistant in greenhouse conditions • Good coverage, short drying time • Not phytotoxic • No ADR classification
Recommended use	For interior greenhouses
Recommended surface	Heating pipes
Identified users	For professional use only

Technical specifications

Physical state	Liquid
Colour	White
Odour	Characteristic
pH	≈ 9
Solid content	63-64%
Dry film thickness	It will depend on the application method and if the pipe is new or not (more product needed in that case). For an uncoated pipe and to obtain maximal efficiency, we recommend applying around 200-250µm of wet coating. Which will give around 75-100µm of dry film thickness.
Boiling point	> 60°C
Flammability (solid, gas)	Non-flammable
Explosive properties	None
Solubility	Miscible
Density	1,3 g/cm^3
Viscosity	ca. 10000 mPa.s Brookfield RV, spindel 5, 10 rpm, 20°C
Wear resistance	Depending on use. Intensive use of moving trolleys over the heating pipes increases wear and tear.
Transport regulation (ADR, IMO, IATA)	Not regulated

Storage conditions

Packaging	Material: metal bucket (= 15 L) 1 pallet contains 33 or 44 buckets
Shelf life	Unopened containers have a shelf life of 2 years. Always stir before use. Keep only in the original container in a cool, well-ventilated place. Keep from freezing (lower than 0°C) and keep from over-heating (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.

ReduSystems is a brand of Lumiforte®

ReduSystems®

TECHNICAL DATASHEET PIPEPAINT



Instructions for use

Surface preparation	Remove any dirt, grease or rust from the surface to be painted. Set the water temperature in the pipes at 35-45°C. Caution; if the temperature is set too high, the product may turn slightly yellow.
Dilution	Stir PipePaint before use. No need to add water, the product is ready-to-use. 1 liter of PipePaint covers 75 meter of heating pipe with a diameter of 5.1 cm. One bucket of 15 liter is enough for 1.000 to 1.200 meter.
Personal protection	• Protective clothing • Safety glasses • Protective gloves
Equipment	Application should be done by a paint roller or with a painting glove. One application is usually sufficient, new pipes or untreated metal should be painted twice for a good coverage.
Drying time	Dry to the touch in approximately 1 hour at 35-45°C. Fully dried after 24 hours.

Effect on crops and environment

Tests	Coating for heating pipes in greenhouse (WUR, 2021): In view of the result of the experiment and in view of the large overdose, it can be expected that this coating will not cause any difficulties in practice.
Environmental precautions	• Dispose in a safe manner in accordance with local/national regulations. We recommend collecting spillage and dispose of buckets to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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.

ReduSystems is a brand of Lumiforte®