

# ReduPaint®

## **Solvent-free paint for heating pipes**

ReduPaint is the ideal water based paint that protects heating pipes against corrosion. ReduPaint is a white paint that causes light reflection, allowing a localized increase in light quantities.

### **Advantages:**

- Excellent coverage, dries quickly, and provides a non-insulating white coat of paint.
- Water-based.
- Suitable for use on untreated metal.
- Does not have to be heated after drying.
- Highly wear resistant.
- Improved light reflection.
- Safe for humans, crops and the environment.



### **Technical information**

Until now, most paints available for use on heating pipes in greenhouses contained solvents. Such paints contain 30-40% volatile organic substances, these substances being not only phytotoxic but also harmful to humans and the environment. To prevent damage to the crop, the solvent-based paint has to be dried by setting the heating system at 80 °C with the windows open for a generous amount of time to allow the harmful substances to escape. Even the current generation of water-based paints still contains 10-20% volatile organic substances.

Especially for the greenhouse horticulture industry, Mardenkro has developed a water-based pipe paint known as ReduPaint. This product contains no organic solvents at all. A unique concept has been used to eliminate other harmful components as well.

### **Application**

For one layer the contents of a 16 litre bucket will cover approximately 1000 meter of heating pipe with a diameter of 5 cm.

### **Directions:**

- Remove any dirt, grease or rust from the surface to be painted.
- Water temperature in heating pipes should be between 35-45 °C
- Stir ReduPaint before use.
- Apply with a special ReduPaint roller or with a paint glove.
- Use water for cleaning up.



## **Environment**

### **Safe for the corp**

Independent research carried out by the former Agro-Biological and Soil Fertility Agricultural Research Department (AB-DLO) in Wageningen utilised adequate and scientifically responsible methods to make a convincing case for the fact that ReduPaint is harmless to sensitive young plants when used according to label instructions and under the prescribed conditions. Young radish, kohlrabi, tomato and cucumber plants were used as test plants. The test was carried out under the poorest conceivable conditions in respect of horticultural practices.

### **Safe for people**

Being exposed to organic solvents by virtue of one's profession can lead to OPS. OPS (Organic Psycho Syndrom) is a serious disorder affecting the nervous system. Symptoms include fatigue, forgetfulness and concentration disorders. Over time, these complaints lead to work disability. Effective January 1, 2000, the Dutch industry is no longer permitted to use paints which contain solvents. ReduPaint is solvent-free and therefore safe to use.

### **Harmless to the environment**

The discharge of volatile organic substances into the atmosphere leads to air pollution and smog formation. ReduPaint contains practically no volatile organic substances and therefore does not harm the environment. ReduPaint also saves on energy because turning up the heat in the greenhouse with the windows open after the paints dried is no longer necessary.

