



## PROTECTIVE 100

Protection for heating and cooling systems.  
Anticorrosive, anti-scaling, antifouling.

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## TECHNICAL INFORMATION

### APPLICATION

**PROTECTIVE 100** is a professional multifunctional neutral product for inhibiting corrosion, lime deposits, noise in heating systems as well as boilers, hydrogen formation inside radiators, microbial and algal growth in heating and cooling systems. For best results, first wash the system with a DM broad-spectrum multifunctional cleaner (Z4, WASH CLEAN 400, WASH CLEAN 400 H). Then empty the system and fill with **PROTECTIVE 100** multi-purpose protector at the recommended dosage.

If softened water is used, there will be a physiological increase in PH. Therefore, keep the value monitored in the presence of aluminium surfaces (recommended between 7 - 8.3).

**PROTECTIVE 100** can be used in hot water (max. temp. 150 °C - 10 bar) and cold water (-35 °C) systems. The product is compatible with propylene and ethylene glycols.

**FOR OPEN SYSTEMS:** pour the product into the expansion tank, making sure that there is a drain at a low enough point to ensure that all the product enters.

**FOR CLOSED SYSTEMS:** if the system is empty, add the product in any convenient place before filling the system. In case it is already full, feed it through a radiator or another possible access point.

### BENEFITS

- Inhibits corrosion, lime scale, microbial and algal growth
- Prevents the formation of hydrogen gas
- Effectively protects new and old systems
- Compatible with all metals, including aluminium
- Neutral, non-corrosive product that is easy to handle
- Insensitive to overdoses
- Helps prevent noise in the boiler
- Long-lasting product
- Optimize the system's performance and extend its lifespan

### DOSAGE

The dosage of **PROTECTIVE 100** for optimal protection is 1 litre per 200 litres of system water (0.5%).

For best results, it is recommended to rinse the system well before applying the protective agent.

**PROTECTIVE 100** can be introduced directly into the full system by using the specific RBM CHEMICAL manual pump equipped with the appropriate fitting kit to easily connect to the dosing points on RBM filtration devices.

In the absence of an RBM filter device, load the product through the vent valve of a radiator or distribution manifold, taking care to avoid introducing air into the system.

Report the dosage and date of treatment in the specific section of the plant booklet as per Ministerial Decree 10.02.2014 et seq. and on the adhesive label to be detached from the product packaging and affixed near the product feeding point.

## PERIODIC INSPECTION

The water quality check is to be carried out, in the absence of hydraulic leaks and/or other prescriptions in the operating and maintenance manuals of the system, at the same time as the periodic check of the heat generator.

Check the residual quantity of active product by means of the specific Control KIT and refill the missing product if necessary.

Update the specific section of the installation manual.

## AVAILABLE FORMATS AND STORAGE CONDITIONS

Available formats:

- 1 KG

Storage conditions: store the product at room temperature (1 °C - 40 °C).

## PHYSICAL CHARACTERISTICS

Appearance	Liquid
Colour	Yellow
Specific density	1,070 (a 20 °C)
pH (0,5%)	approximately 7-8

## SAFETY DATA

The product is easy to handle and is classified as non-hazardous. Refer to the safety data sheet.

## ADJUSTMENTS

**PROTECTIVE 100** intended for professional use in the treatment of heating and cooling systems only.

The chemical treatment of domestic systems is regulated by UNI-CTI 8065/19.

## HANDLING

Avoid contact with eyes and skin. Use goggles and rubber gloves. The solution of **PROTECTIVE 100** in water at the dosages indicated com-

plies with Italian Legislative Decree 152/06 and is discharged into the public sewage system. The product is compatible with most plastics.

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