

PROTECTIVE SOLUTION FOR HEATING SYSTEMS



Function

There is a lot of talk about plastic pipes with anti-oxygen barrier. What are the reasons?

It is common knowledge that oxygen within iron components corrodes and thus it rusts them (iron oxide). The rust carried by water can collect on the walls of PE-X pipes creating spongy agglomerates, erroneously called algae, that can damage water circulation in the pipes. For radiant panel heating systems, German DIN norms require pipes with anti-oxygen casing or passivation, able to make iron surfaces inactive. (DIN 4726 2.4)

Actually, sheathed pipes cannot solve the problem, since oxygen hardly introduces into systems through foundation cement. Instead the riskiest points are pumps gaskets or automatic air vents, if placed on suction points of systems, for example just before the pump. Then, it is obvious that metallic surfaces of the system should be protected, not to create oxides. This is the function of Giacomini K375 antiscale.

The risk is completely removed with surfaces no more subject to corrosion, while the solution is only partial and not very effective according to some searchers (the French CSTB for example) with the only anti-oxygen pipe. Giacomini antiscale is the technical answer to a problem solved in the right way and it permits to protect any kind of system. The problem is in any installation (radiant panels, radiators, etc.) and the more the iron parts are, the more it is evident. The antiscale produces the same protective effects in any kind of system and it guarantees a lasting and reliable functioning.

Features

K375 antiscale is a protective solution that avoids the formation of scale, avoids the corrosion of systems and pipes. It is a mixture of substances able to protect both iron and non-iron materials.

Dose

A litre bottle is used for about 200 litres of system water.

In practice a bottle is used every 700 - 800 m of a GIACOTHERM pipe (110 - 120 m² apartment).

It is recommended to add the same dose once a year to keep the protection to its highest efficiency level.

Precautions

K375 solution is not toxic.

However, it is recommended to keep it away from children and to handle with gloves.

Additional information

For additional information please check the Giacomini website at the following address: www.giacomini.com

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