



ALUMINIZED CALORIZED STEEL TUBES

EUROTUBI

PRECISION WELDED STEEL TUBES SINCE 1995





ALUMINIZED CALORIZED STEEL TUBES

Eurotubi offers thermally treated aluminized steel tubes, used to build Gas Fired Radiant tubes heaters. The production process, from raw material to the finished tube, has been patented by Eurotubi (patent nr. 0001426013) and it allows us to supply a product which is in line with the builder's demands. Thanks to our constant research and to the collaboration with important European Universities, we are able to offer specific technical solutions.

WHAT IS A CALORIZED TUBE

Our IR Tubes are **high-performance aluminized tubes**. These tubes are made from aluminized calorized steel coils. During the production process we obtain a **highly efficient radiant surface** which allows the users to produce more and more efficient machines.

PRODUCTION PROCESS

The aluminized steel coil is heat treated up to 1400°F where the aluminum coating is fused into the coil. The calorization process (heat treating) forms a homogenous layer of iron-aluminum (Fe-Al), which is extremely oxidization resistant. The calorization process provides unsurpassed corrosion resistance to ferrous metal by providing a self-forming, self-healing coating of practically infusible alumina which is impervious to oxygen, carbon, sulphur and the products of combustion of natural and liquified propane gas.

WHY CALORIZED IS THE BEST?	RADIANT EFFICIENCY			
	RADIATION PERFORMANCE	RADIANT EFFICIENCY	CORROSION RESISTANCE	PEELING RESISTANCE
CALORIZED ALUMINIZED	●●●	●●●	●●●	●●●
ALUMINIZED STEEL	●	●	●●	●●
ALUMINIZED STEEL PAINTED	●●	●●●	●●●	●
HOT ROLLED STEEL	●●	●●	●	●
HOT ROLLED STEEL PAINTED	●●	●●	●	●
STAINLESS STEEL	●	●	●●●	●●●
STAINLESS STEEL PAINTED	●●	●●●	●●●	●

FROM CALORIZED RAW MATERIAL TO HIGH RADIANT EFFICIENT TUBES





ALUMINIZED CALORIZED STEEL TUBES

RADIANT EFFICIENCY

Our IR Tubes are high-performance aluminized tubes. Calorized aluminized tubes with maximum radiant efficiency 0,80.

HIGH TEMPERATURES

For the manufacturing of our IR Tubes, we use aluminized steel, which is thermally treated and consequently resistant to high temperatures, up to 750 C° (1382 F°).

DIFFERENT SURFACES

We offer two different products, with different surface treatments and consequently a diverse radiant efficiency: calorized tubes with 0.80 coefficient of radiant efficiency and burnished tubes with maximum radiant efficiency of 0.92.



SERVICE & QUALITY

Nowadays it is getting more and more important to be flexible, this is why Eurotubi answers the customers' demands with a «Lean» production process, which means «fast delivery time and limited lots». We can offer tubes from diameter 40 to 304 mm (from 1,5 to 12 inches), with wall thickness 1,5 and 2 mm (16-14 ga) and length up to 12 metres (until 40 ft).

CUSTOM DESIGNED PRODUCT

As a reliable and helpful partner, we offer a highly customized product according to the most different requirements and needs of our customers, in terms of sizes, quantities and of mechanical and chemical properties. As additional workings we offer cut to size, loose flanges and special packaging.

EUROTUBI

BE INNOVATIVE, BE DIFFERENT



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