

MN PHOSPHATE TREATMENT

Advanced Technologies

PROCESS

Phosphating is a surface conversion treatment that make a chemical modification and physicochemical properties of the surface of a metal. The process is based on the immersion of the parts in a bath of phosphates and phosphoric acid with subsequent formation of a uniform layer of crystals phosphatic chemically bonded to the substrate which gives the treated metal properties which can enhance the characteristic of the materials itself.

The manganese phosphating, specifically, results in the formation of a coating dark gray, very resistant to corrosion and wear. By acting on the lubrication and the roughness, the phosphate layer reduces the friction between surfaces of mechanical components in reciprocal sliding. **Eurolls** covers all the details of this production process in order to provide protection and corrosion resistance on the components.

Equipments:



Eurolls S.p.a.

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TECHNICAL DATA

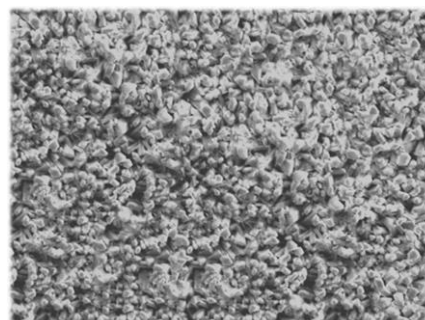
Typical treated material: Structural / Construction steel, Low alloy steel, Cast iron

Layer Thickness: 0,005mm

Density: 7,7g/m²

Corrosion resistance (salt mist spray test): 72 hours

Pictures:



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