Base-tube and fin materials

Base tube	Common fin	Advantage	Important control
Carbon steel	Aluminum or carbon steel	Economical and available	Corrosion, galvanic effects and fin temperature
Low-alloy steel	Carbon or alloy steel	Higher-temperature service	Welding, preheat, PWHT and metallurgy
Stainless steel	Aluminum or stainless	Higher corrosion resistance	Crevice corrosion and iron contamination
Duplex stainless	Aluminum or compatible alloy	Strength and chloride resistance	Weld quality and harmful phases
Copper and copper alloy	Integral fin	Good thermal conductivity	Ammonia, sulfides and erosion
Nickel alloy	Integral or compatible alloy	Corrosive and high-temperature service	Cost, PMI and fabrication
Titanium	Integral or special design	Excellent chloride resistance	Galvanic effects, forming and cost

Source / basis: https://niktrd.com/fin-tube