



INFORMATION SHEET – COPPER PLATING

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Copper plating is used for both decorative and industrial applications, bright decorative coatings are used in their own right for aesthetic purposes or as undercoats in plating systems such as decorative nickel and chromium plating.

Industrial applications include the use of copper as an intermediate coating such as underneath tin coatings on brass, as a stop off for selective case hardening and as an anti-galling coating.

Mp Eastern specialise in the deposition of copper for anti-galling on premium connections for Oil Country Tubular Goods (OCTG), we copper coat premium threads to major thread manufacturers specifications including JFE Steel, Hunting, TENARIS and Vallourec.

When specifying Copper plating on drawings or orders it is recommended that wherever possible that national, international or defence standards are used to provide the processing instructions to your supplier, typically the following information should be provided;

- Specification reference
- Base material composition and condition
- Significant surfaces and areas where measurements of coating thickness are to be made.
- Any areas that must not be used as contact points for jiggling/wiring
- Any special inspection requirements
- Any special packing requirements

Specifications

There are no common UK standards used for specifying electroplated copper coatings, more often or not it is specified as an undercoat as part of coating system, the standards we process too are mainly customer specific particularly for the oil and gas industry.

A number of international standards are available including ASTM-B734 and AMS 2418.