

Non-Ferrous and Precious Metals with Electroplating Chemicals

Description:

Non-ferrous metals are much more malleable than ferrous metals. Non-ferrous metals are also much lighter, making them well-suited for use where strength is needed, but weight is a factor, such as in the aircraft or canning industries. Because they contain no iron, non-ferrous metals have a higher resistance to rust and corrosion, which is why you'll find these materials in use for gutters, water pipes, roofing, and road signs.

The most commonly used non-ferrous metals are aluminium, copper, lead, zinc, nickel, titanium, cobalt, chromium and precious metals. Millions of tonnes of nonferrous scrap are recovered annually and used by smelters, refiners, ingot makers, foundries, and other manufacturers. Some non-ferrous materials are also used in the iron and steel industries.

Important non-ferrous metals include aluminium, copper, lead, nickel, tin, titanium and zinc, and alloys such as brass. Precious metals such as gold, silver and platinum and exotic or rare metals such as cobalt, mercury, tungsten, bismuth, cerium, cadmium, niobium, indium, tantalum and vanadium are also non-ferrous.

Precious metals such as gold, silver and platinum have long been valued as stores of wealth and for use in producing coinage, jewelry and decorative arts. Today, precious metals are used in a wide range of applications including electronic and communications equipment, spacecraft, and jet aircraft engines and can be found in everything from cell phones to catalytic converters.

For more details download PDF file.

Keywords: Application of Zinc Refining Process, Book of Non-Ferrous Metal, Book on Non-Ferrous and Precious Metals with Electroplating Chemicals, Chemical Extraction of Precious Metals, Chemicals are used for the preparation of precious metal plating, Chromium Chemistry, Chromium occurrence, principles of extraction, Chromium uses, Copper extraction and purification, Copper extraction techniques, Copper refining process, Electrolysis of Magnesium Chloride, Electrolysis Production of Magnesium, Electrolyti

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