

China Hot Sale Galvanized Steel Coil Suppliers Manufacturers With Factory Price

Shandong Hengze New Material Co., Ltd. is not only one of galvanized steel coil suppliers, but also galvanized steel coils manufacturers china with hot sale galvanized steel coil. As a China galvanized steel coil supplier, we are very familiar with the galvanized steel coil, let's talk about galvanized steel coil.

Features of Galvanized Steel Coil

According to processing performance: Hot-dip galvanized products can be divided into general use, mechanical occlusion, deep drawing, aging resistance, general use and mechanical occlusion, the corresponding products are CQ level such as Q195, Q195AL, XSt01z, XSt02z; deep drawing corresponding to DQ level, ultra-deep drawing corresponding to DDQ level, EDDQ level.

1. Normal zinc coating spangle coating

During the normal solidification process, the zinc grains grow freely and have obvious zinc flower morphology.

2. Small zinc flower coating minimized spangle coating

During the solidification of zinc layer, zinc grains are artificially restricted to form zinc coating as small as possible.

3. zinc-free coating spangle-free

By adjusting the chemical composition of the plating solution, the zinc coating has no visible morphology and uniform surface.

4. Zn Fe alloy coating zinc-iron alloy coating

The steel strip after the galvanizing bath is heat treated to form an alloy layer of zinc and iron on the whole coating. The coating has the dark gray appearance and no metallic luster. It is easy to be powdered in the process of intense forming. It is suitable for coating which can be directly painted without further treatment except general cleaning.

5. Differential thickness coating differential coating

For both sides of galvanized steel, coating with different zinc coating weight is required.

6. Finishing skin pass

Finishing is a cold rolling process for galvanized steel sheet with small deformation for one or more of the following purposes. Improve the surface appearance of galvanized steel sheet or suitable for decorative coating; make the phenomenon of slip line (Ludes line) or fold line produced when finished products are not processed temporarily to the minimum.

Mainly: peeling, scratching, passivation spot, zinc granule, thick edge, air knife blade mark, air knife scratch, exposed steel, inclusions, mechanical damage, poor performance of steel base, wave edge, ladle bending, size incompatibility, stamping, zinc layer thickness incompatibility, roll printing, etc.

Main Application of Galvanized Steel Coil

Main application industries of galvanized sheet: a large number of galvanized sheet materials are used in automobile manufacturing, refrigeration box, construction industry, ventilation and heating facilities, and furniture manufacturing.

Zinc plating has become an important way of anticorrosion of steel. For zinc, a dense protective layer can be formed on the surface of iron and steel, and because zinc has cathodic protection effect when

galvanized layer it can still protect the iron base metal from corrosion by cathodic protection.

Construction industry: roofs, roof components, balcony panels, windowsills, newsstands, warehouses, rolling doors, and warmers, rainwater pipes, etc.

Household appliances: fridge, washing machine, switchgear, air conditioner, microwave oven, bread machine, duplicator, automatic sales machines, electric fans, vacuum cleaners.

Other furniture industries: lampshades, wardrobes, tables, bookshelves, counters, signs, medical equipment, etc.

Transportation industry: Automobile ceilings, car shells, car boards, tractors, trams, containers, and high-speed highway fence, ship spacer, etc.

The demand for construction and light industry is the main market of galvanized sheet, which accounts for about 30% of galvanized steel. According to the speed of national economic development and the previous consumption base, the demand in the first half of the year was about 4 million tons, equivalent to 180,000 tons of refined zinc consumption.

In addition, from the consumption of a galvanized steel sheet in the household appliances industry, air conditioning is the main consumer of galvanized steel sheet products. Zinc-plated sheets are manufactured on the back of indoor air conditioners, the back of cabinets, interior parts, the outer shell and interior of outdoor machines. On average, a single air conditioner consumes 22 kg of galvanized sheets. In addition, each washing machine consumes 8 kilograms of galvanized steel, and each refrigerator consumes 3 kilograms of galvanized steel.

The automobile industry is also a major industry of galvanized sheet consumption, and its weight is much heavier than that of the household electrical appliance industry. Since 2006, China's automobile production has increased rapidly, especially in saloon cars. According to the calculation of 350 kg of galvanized sheet per vehicle, the demand for the galvanized sheet in China's automobile industry in 2007 will be about 3.1 million tons, consuming 140,000 tons of refined zinc, an increase of more than 20% compared with 117,000 tons in 2006.

Faultiness of Galvanized Steel Coil

The main reasons for the falling off of zinc layer are: surface oxidation, silicon compounds, dirty cold bonding emulsion, too high dew point of oxidizing atmosphere and protective gas in NOF section, unreasonable air-fuel ratio, low hydrogen flow rate, oxygen infiltration into furnace, low temperature of steel strip into pot, low furnace pressure in RWP section, low furnace door suction, low furnace temperature in NOF section, and oil evaporation. Not enough, low aluminum content in zinc pot, too fast unit speed, insufficient reduction, the too short residence time in zinc solution, thick coating.

In addition, Shandong Hengze New Material Co., Ltd. is a China galvanized steel coil supplier with galvanized steel coil factory price. Welcome to consult hot sale galvanized steel coil.