Negative Printing Plate

Negative plate is one of two types of photolithographic printing plates produced by bringing an unexposed plate into contact with a photographic negative of the image to be printed, and exposing it to a high-intensity light.
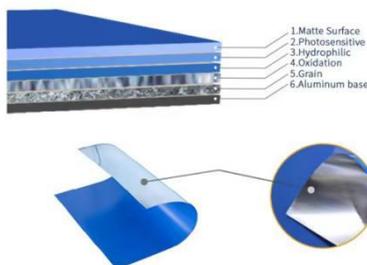
The plate's coated metal surface is exposed in the image areas (where light passes through the negative) and unexposed in the non-image areas (where light does not pass through). The exposure to light renders the image areas hard and insoluble, and after platemaking the plate is chemically treated to dissolve the unhardened non-image areas, rendering that portion of the plate water-receptive, the exposed image areas remaining hard, durable, and ink-receptive. The non-image areas are then treated with a solution of gum arabic (or other gum, either natural or synthetic), which desensitizes the non-image areas, adding a higher degree of water-receptivity.

Although negative printing plates are the most prevalent, a disadvantage of them is that they tend to reproduce halftone images with a higher degree of dot gain than positive plates.

The Specification of Negative Printing Plate:

HC supply types of negative printing plate for commercial and industrial printing in including, **negative CTP plate**, negative CTCP plate, negative PS plate and so on.

The Structure of Negative Printing Plate:

1.Matte Surface
2.Photosensitive
3.Hydrophilic
4.Oxidation
5.Grain
6.Aluminum base

The Features of Negative Plate:

1. High quality aluminum, composite grain and long run-length.
2. Capable of bright room operation.

3. High resolution and precise halftone dot reproduction.

4. Good development tolerance and convenient operation.

The Application of Negative Printing Plate:

The negative printing plate produced by our company is compatible with all mainstream thermal plate-making machines in the market, and is widely used in packaging and exquisite commercial printing.

The packaging of Negative Plates For Offset Printing:

Two coated sides are placed facing each other, separated by neutral backing paper in the middle, the outside is covered with plastic lined black kraft paper and placed in the carton box,each carton box is loaded around 50 -100 pieces. Loaded carton boxes on the wooden pallet protected with wooden frames or cardboard. Finally, wrap it with kraft paper or plastic film and tighten by plastic tapes.

Or Packed according to customer requirements.

Production	Crop	Finished product	Testing
Shipping	Storage	Packaging	Re-inspection