What is claimed is:

1. A process for the production of an entry sheet for drilling a printed wiring board material, formed from a multi-layered water-soluble resin composition layer on at least one surface of a metal foil, comprising the steps of:

applying an aqueous solution of a water-soluble resin composition to the metal foil;

drying and solidifying the composition to form a first water-soluble resin composition layer; and

applying, drying and solidifying at least one more aqueous solution of the water-soluble resin composition on the first water-soluble resin composition to form at least one additional layer of the water-soluble resin composition layer, and the plurality of layers form the multi-layered water-soluble resin composition layer;

wherein the multi-layered water-soluble resin composition layer has a thickness of at least 50 μm and 20 or less air bubbles having a diameter of at least 30 μm each per an area of 100 mm x 100 mm, and;

each water-soluble resin composition layer has a thickness of 10 μm to 50 μm after being solidified.

2. An entry sheet for drilling a printed wiring board material, comprising:

a metal foil; and

a multi-layered water-soluble resin composition layer formed on at least one surface of the metal foil;

wherein the multi-layered water-soluble resin composition layer has a thickness of at least 50 μm, and 20 or less air bubbles having a diameter of at least 30 μm each per an area of 100 mm x 100 mm, and;

each water-soluble resin composition layer has a thickness of 10 μm to 50 μm after being solidified.

CLAIMS

1. A process for the production of an entry sheet for drilling a printed wiring board material, which process comprises forming a multi-layered water-soluble resin composition layer on at least one surface of a metal foil,

wherein an aqueous solution of a water-soluble resin composition is applied to the metal foil, dried and solidified to form one water-soluble resin composition layer, the application, drying and solidification of the aqueous solution of the water-soluble resin composition are repeated at least once to form at least one water-soluble resin composition layer on the above one water-soluble resin composition layer, the multi-layered water-soluble resin composition layer is composed of the one water-soluble resin composition layer and the at least one water-soluble resin composition layer, the thickness of the multi-layered water-soluble resin composition layer is at least 50 μm, and the number of air bubbles having a diameter of at least 30 μm each in the multi-layered water-soluble resin composition layer is 20 or less per an area of 100 mm × 100 mm.

2. A process according to claim 1,

wherein the thickness of each water-soluble resin composition layer, formed by carrying out the application, drying and solidification of the aqueous solution of the water-soluble resin composition once, is in the range of 10 μm to 50 μm.

3. An entry sheet for drilling a printed wiring board material, comprising a metal foil and a multi-layered water-soluble resin composition layer formed on at least one surface of the metal foil,

wherein the thickness of the multi-layered water-soluble resin composition layer is at least 50 μm and the number of air bubbles having a diameter of at least 30 μm each in the multi-layered water-soluble resin composition layer is 20 or less per an area of 100 mm × 100 mm.