

ICS 59.140.35

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 2002.1-2018

**Hardware fitting of leather products-Specification of
electroplated layer
(English Translation)**

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1 Scope

This part of QB/T 2002 specifies the terms and definitions, requirements, test methods, inspection rules for the electroplating layers of hardware fitting of leather products.

This part applies to all kinds of electroplating layers of hardware fitting of leather products. The electroplating layers of other base materials can make reference to this part.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

QB/T 3821-1999 Adhesion testing method of the metal deposits for the light industrial products

QB/T 3826 Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products - Neutral salt spraying test (NSS)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Varnish

A solid-state continuous film the painting solution of which is applied to the surface of the plating to form a protective plating.

3.2

Pockmark

4.1.4 The pattern and text are clear.

4.2 Bonding strength of electroplating layer

The plating shall not be lifted or peeled off.

4.3 Adhesion of varnish

The varnish does not fall off.

4.4 Corrosion resistance

The number of corrosion points is not more than 3, meanwhile the area of a single corrosion point is not more than 1 mm².

5.1 Appearance quality

Perform visual inspection in good lighting conditions.

5.2 Bonding strength of electroplating layer

Perform testing according to the scratching method in 2.3 of QB/T 3821-1999.

5.3 Adhesion of varnish

Use a stylus or steel needle which has a radius of curvature at the needle tip of 0.013 mm ~ 0.018 mm, in the direction perpendicular to the length of the sample, to make 6 parallel scratches (length of about 5 mm) along the surface of varnish, at a spacing between scratches of 1 mm. The stylus or steel needle shall penetrate the overall depth of the varnish. Then make 3 scratches which are perpendicular to the previous 6 scratches, at the length of about 8 mm and the spacing of 1 mm, to form 10 small grids. Use hands to gently touch them.

Observe the peeling of varnish.

5.4 Corrosion resistance

Carry out testing according to QB/T 3826. The test period is 16 h.

6.1 Group-batch

The products of same type which are produced by the use of the same variety of raw materials according to the same production process form an inspection batch.

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