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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 16690-2008

Regional emblem of Hong Kong special administrative region

香港特别行政区区徽

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Table of Contents

1 Scope

1.5 Red five-pointed star circumscribed circle diameter $3\ 50 \pm 2\ 40 \pm 1.5\ 30 \pm$

2 Normative references

3 Logo on the back of mounting holes M 12 x 1.5 10 x 1.5 8 x

4 Red overall thickness T $46 \pm 3\ 36 \pm 2\ 28 \pm$

5 Test methods

5.4 Strength Test

6 Inspection rules

6.1 Inspection classification

7.2 Packaging

Appendix A

Foreword

All technical contents of this standard is mandatory. This standard is GB 16690-1996 "emblem of the HKSAR," the amendment. This standard compared with GB 16690-1996 main changes are as follows:

--- Original standard Annex A, Annex B be amended to "normative references." Appendix A of this standard is a normative appendix. This standard was proposed by the Hong Kong and Macau Affairs Office. This standard color by the National Standardization Technical Committee. This standard is drafted by: Institute of Psychology, Shenzhen Haichuan Industry Corp.. The main drafters of this standard. Han new cloth, such as Sun Xiu, yellow side, He Weiping Zheng Wei. This standard replaces the standards previously issued as follows:

--- GB 16690-1996. Emblem of Hong Kong

1 Scope

China's mandatory national standard for the regional emblem of the Hong Kong Special Administrative Region. The emblem is defined in the Basic Law and is a legal symbol whose reproduction is regulated: the bauhinia flower with five petals, each bearing a star, on a red field within a ring. A standard for such a symbol looks unusual among technical documents, and its purpose is exactly the same as any other dimensional specification - to make reproduction exact and unambiguous wherever it is made. It fixes the geometry of the flower and the ring, the position and orientation of the stars, the proportions, and the

colours in defined colorimetric terms so that the red is one red and not a family of them. It also sets out the permitted sizes and the rules for reproduction, which is what allows the emblem to appear identically on a document, a building and a screen.

4.6 of the regional emblem body material strength

4.6.1 bending strength of not less than 140MPa.

4.6.2 Surface hardness (Pap) not less than 30.

4.6.3 Falling ball impact strength. the regional emblem body no cracks, no damage.

4.7 Evaluation of the appearance of the regional emblem Emblem surface appearance of assessment requirements in Table 3. Table 3 logo surface appearance assessment requirements Project Requirements Emblem surface appearance Surface pattern is clear, there should be no shrinkage, thermal cracking, cold cracking, deformation, exclusion edge, edge damage, there should be no significant effect on the appearance of sand, miscellaneous Quality, porosity Surface color logo should not have obvious stains, take color, color stains, etc.

4.8 regional emblem face red font in English

4.8.1 emblem surface area "Special Administrative Region People's Republic of China" in red font emblem should be consistent with the standard word shown in Figure 4.

4.8.2 regional emblem face English "HONGKONG" (Hong Kong) Red font standards should be consistent with the regional emblem word shown in Figure 4.

4 words emblem surface area of standard English

1.5 Red five-pointed star circumscribed circle diameter 3 50 ± 2 40 ± 1.5 30 ±

1 Text area angle α $220^\circ \pm 1^\circ$ $220^\circ \pm 1^\circ$ $220^\circ \pm 1^\circ$ English words zone angle α_1 $80^\circ \pm 1^\circ$ $80^\circ \pm 1^\circ$ $80^\circ \pm 1^\circ$ Pentagonam positioning angle α_2 $110^\circ \pm 1^\circ$ $110^\circ \pm 1^\circ$ $110^\circ \pm 1^\circ$ Bauhinia flower petals orientation angle α_3 $14^\circ \pm 2^\circ$ $14^\circ \pm 2^\circ$ $14^\circ \pm 2^\circ$ Logo faces outside bevel α_4 $5^\circ \sim 8^\circ$ $5^\circ \sim 8^\circ$ $5^\circ \sim 8^\circ$ Chinese, English, five-pointed star target radius R1 440 ± 2 352 ± 1.5 $264 \pm$

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. Plastic bending performance test method

GB/T 1449 fiber reinforced

GB/T 1720 film adhesion assay

GB/T 1733 Determination of water resistance of the film (

GB/T 1733-1993, neq OCT 9.403. 1980)

GB/T 1740 Determination of resistance to wet heat

GB/T 1766 Paints and varnish coating aging rating method

GB/T 1771 Paints and varnishes - Determination of resistance to neutral salt spray (GB/T 1771-2007,

ISO 7253.1996, IDT) Plastic Barcol hardness test

GB/T 3854 enhancements Methods of measurement

GB/T 3979 object colors Evaluation of two o'clock

GB/T 4380-2004 roundness error, three-point method

GB/T 6739 Determination of paints and varnishes film hardness pencil method (GB/T 6739-2006, ISO 15184.1998, IDT)

GB/T 9274 Paints and varnishes - determination of resistance to liquids (GB/T 9274-1988, eqv ISO 2812. 1974)

3 Logo on the back of mounting holes M 12 x 1.5 10 x 1.5 8 x

1.25 R is determined by the manufacturer and user consultation

4.3 of the regional emblem color and tolerance

4.3.1 emblem face red. fiber reinforced plastic, aluminum alloy regional emblem red and tolerance respectively in fiber-GB 15093 Strong plastic and aluminum materials red emblem and tolerance prevail.

4.3.2 Bauhinia flower petals White. fiber reinforced plastic, aluminum alloy emblem Bauhinia flower petals white stimulus value Y10 of not less than 80.

4.3.3 Other materials of the regional emblem red and tolerance to aluminum GB 15093 in the red emblem and tolerance prevail. Bauhinia Petals white stimulus value Y10 should be consistent with the provisions of this standard 4.3.2. Figure 2 standard emblem various dimensions

Note. The logo on the back area of the radius of the installation hole diameter and installation pitch logo center back is determined after consultation producers and users. Figure 3 a schematic view of the mounting holes on the back of emblem

4.4 chrominance data calculation

4.3 chromaticity data for CIE standard illuminant D65 and CIE1964 standard colorimetric system calculations.

4.5 regional emblem film performance Emblem surface film properties are shown in Table 2. Table 2 logo surface film properties Item Index Film color and appearance of the color line with the standard requirements of 4.3, the film smooth and bright Gloss (60 °) /% >

90 Adhesion/grade >

5 Test methods

Logo ministries pattern size and measurement error of

5.1 standard allows the use of qualified inspection area should, accuracy not less than 0.5% of the measuring tool.

5.2 color measurement should be GB/T 3979, GB/T 11186.2-1989 and GB/T 11186.3-1989 the provisions.

5.3 of the regional emblem film properties should be GB/T 1720, GB/T 1733, GB/T 1740, GB/T 1766, GB/T 1771, GB/T 6739, the provisions of GB/T 9274 and GB/T 9754 were measured.

5.4 Strength Test

5.4.1 Bending strength test should be GB/T 1449 will be.

5.4.2 hardness measurement should be GB/T 3854 will be.

5.4.3 Falling Ball Impact. The positive sample emblem upward, horizontal spread on the concrete floor, away from the sample is placed at a weight above 1m 112g ball, make the ball free fall in the same plane surface portion emblem. Repeat three times to observe the sample surface cracks, deformation, delamination.

5.5 logo emblem face and bottom surface roughness test shall GB/T 11337-2004 carried out in 4.4b method.

5.6 logo body roundness test shall GB/T 4380-2004

2.3 in two-point measurement method.

5.7 surface appearance emblem assessment. it should be bright natural light from the logo face 1m, visual assessment; when assessed in the light not require the use of illumination Lower than 750lx daylight color fluorescent lamps.

6.1 Inspection classification