

The silver content in silver layer should be not less than 700mg/m<sup>2</sup>.

For the two layer of paint, the paint layer thickness should be not less than 50um, the primer thickness shall be not less than 20um.

The shear strength of coating and the layer of coating and the glass should be not less than 15N/c m<sup>2</sup>.

In the change point resistance to neutral salt spray test sample after reflection layer allows 4 d diameter ≤ 0.3mm and 2 D diameter ≤ 2.5mm protective layer change point, edge coating loss up to extension of not more than 3.5mm.

Visible light reflectance of silver mirror should be not less than 85%.

For colored silver mirror the reflectance of visible light shall be not less than 75%.

Table 1 mm

Thickness	The allowable deviation
2,3,4	±0.25
5,6	±0.30
8,10	±0.40

Table 4 mm

Defect name	Quality requirements
Scratch	Long 30mm, width ≤ 0.1mm, 2 /m <sup>2</sup> silver mirror,Width = 0.1mm, no
Mildew stains	According to the 7.9 test, the eye should not be see
Defect	0.2~0.3mm diameter, 2 / m <sup>2</sup> silver mirror,Diameter ≥ 0.4mm, no

For the single paint, paint layer thickness should be not less than 20um, double deck paint is not less than 40um.

Protective layer changes in the salt spray test sample after reflection layer allows 5 d diameter ≤ 0.3mm and 3 D diameter ≤ 2.5mm change point, edge coating to extend the largest loss less than 4.0mm.

Table1

Thickness (mm)	The allowable deviation (mm)	Remarks
2,3,4	±0.25	The same glass thickness difference, thickness2mm, 3mm, 4mm for 0.25mm.
5,6	±0.30	
8,10	±0.40	5mm, 6mm, 8mm, 10mm for 0.35mm.

Crack, missing angle, mildew spot, obvious deformation etc.	According to the 4.7 test, the eye should not be see.
Bubbles, inclusions and other defects	Allow the defect is not concentrated distribution of diameter ≤ 0.3mm; 0.3mm < D diameter ≤ 0.5mm per m <sup>2</sup> allows 3; 0.5mm < D diameter ≤ 1mm and spacing of at least 300mm M <sup>2</sup> allows 2 defects per.
Scratch	Dispersion is not concentrated hair like scratch allows: < 0.1mm, length width ≤ 20mm and spacing of at least slightly scratched 300mm, or 0.1~0.5mm wide, long ≤ 30mm scratch each M <sup>2</sup> allows 3; wide 0.1~0.5mm, length of ≤ 50mm scratch every M <sup>2</sup> allows 2; scratch depth hand feel and the length is not allowed in the above 10mm.

**TEST REPORT**

**PART I: TOTAL LEAD (PB) CONTENT IN SURFACE COATING AND COVERING**

AS PER IKEA SPECIFICATION TOS-MAT-0066 VERSION NO.AA-162938-5,WITH REFERENCE TO U.S. CODE OF FEDERAL REGULATIONS TITLE 16 CFR 1303,ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

RESULT: LESS THAN 10MG/KG  
LIMIT: 90MG/KG

REMARK:  
MG/KG=MILLIGRAM PER KILOGRAM  
TESTED COMPONENT: GREY WITH ORANGE BASE COATING ON GLASS.

**PART II : TOXIC ELEMENTS ANALYSIS**

AS PER EUROPEAN STANDARD ON SAEETY OF TOYS EN71 PART 3:1994 AND AMENDMENT A1:2000AND AC:2002,ACID EXTRACTION METHOD WAS USED AND TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLE ARGON PLASMA SPECTROMETRY.

	RESULT IN MG/KG	LIMIT MG/KG
SOL.BARIUM(BA)	232	1000
SOL.LEAD(PD)	<5	90
SOL.CADMIUM(CD)	<5	75
SOL.ANTIMONY(SB)	<5	60
SOL.SELENIUM(SE)	<5	500
SOL.CHROMIUM(CR)	<5	60
SOL.MERCURY(HG)	<5	60
SOL.ARSENIC(AS)	<2.5	25

REMARK:  
SOL.=SOLUBLE  
<=LESS THAN  
MG/KG=MILLIGRAM PER KILOGRAM  
TESTED COMPONENT: GREY EITH ORANGE BASE COATING ON GLASS

**PART III: SALT SPRAY TEST**

TEST CONDITION:

CONCENTRATION OF SODIUM CHLORIDE SOLUTION	(5±1)% BY MASS
EXPOSURE TIME	300 H
VOLUME OF SOLUTION COLLECTED FOR A COLLECTING AREA OF 80C m <sup>2</sup>	1.0 TO 2.0 ML/H
CHAMBER TEMPERATURE	(35±2)°C
PH OF COLLECTED SOLUTION AT (23±3)°C	6.5 TO 7.2
TEST EQUIPMENT	SALT SPRAY TESTER(AJHG70-2)

TEST RESULT

SPECIMEN	EXPOSURE TIME	RUSTING RATING	DESCRIPTION OF APPEARANCE
MIRROR	168H	10	NO VISIBLE CHANGE
	216H	10	NO VISIBLE CHANGE
	264H	10	NO VISIBLE CHANGE
	300H	10	NO VISIBLE CHANGE

REMARK:  
ASSIGN RUSHING RATING USING RUST GRADE (PERCENTAGE OF SURFACE AREA RUSTED, SEE TABLE 1) FOLLOWED BY THE TYPE OF RUST DISTRIBUTION (SEE TABLE 2):

TABLE 1: SCALE OF RUST GRADE  
TABLE 2: TYPE OF RUST DISTRIBUTION

S	SPOT RUSTING
G	GENERAL RUSTING
P	PINPOINT RUSTING
H	HYBRID RUSTING

RUST GRADE	PERCENT OF SURFACE RUSTED
10	≤0.01%
9	0.01%-0.03%
8	0.03-0.1%
7	0.1-0.3%
6	0.3-1.0%
5	1.0-3.0%
4	3.0-10.0%
3	10.0-16.0%
2	16.0-33.0%
1	33.0-50.0
0	>50.0

END OF REPORT