



สีมาตรฐานสอบเทียบ Calibration Color Block

1. Smooth surface, Uniform color, High color saturation.
2. Stable optical and physical properties.
3. Cover full visible light 's spectral wavelength.

Introduction:

As the standard appliance in color measurement, this set is based on the chromaticity of three primary colors for the development. Using color glazed porcelain blocks after special fired processes.

Feature:

Smooth surface, Uniform color, High color saturation.

Stable optical and physical properties.

Cover full visible light 's spectral wavelength.

Specification:

1. Color coverage: Red, Yellow, Green, Blue, White. This set covers full spectral wavelengths of visible light (380nm~780nm).
2. Weather resistance: Manufacture of high temperature colored glaze. Better weather resistance, no cracking, no falling off. Stable color, Dx and Dy of each point are<0.001.
3. Optical property: Annual gradient Dx and Dy are<0.002 (National standard is<0.005). After one year's illumination test, the chroma value has no obvious change with has better illumination resistance.
4. Surface feature: Smooth surface, uniform color. Good surface hardness. Lighttight, no cracks, no wrinkles, no bubbles and other defects.
5. Dimension:50mm*50mm*10mm(each unit)

校准数据/结果

Data / Results of Calibration

A 光源, 2°, 0/d(SCI)								
色板编号	X	Y	Z	x	y	L*	a*	b*
706W	93.62	85.35	29.89	0.4482	0.4087	94.03	-0.24	+1.01
706Y	83.36	75.12	7.26	0.5029	0.4532	89.45	+1.53	+64.06
706R	38.58	20.81	2.32	0.6252	0.3372	52.74	+56.48	+37.97
706G	24.68	28.15	7.52	0.4090	0.4664	60.02	-23.70	+11.95
706B	20.11	22.88	17.49	0.3326	0.3783	54.95	-21.89	-35.50

C 光源, 2°, 0/d(SCI)								
色板编号	X	Y	Z	x	y	L*	a*	b*
706W	83.24	85.34	98.88	0.3112	0.3191	94.03	-0.87	+1.28
706Y	64.51	71.37	20.32	0.4130	0.4569	87.66	-11.99	+67.53
706R	25.29	15.42	7.70	0.5224	0.3186	46.21	+50.09	+26.80
706G	22.09	30.16	22.53	0.2954	0.4033	61.79	-31.07	+19.03
706B	23.56	26.49	58.08	0.2179	0.2450	58.50	-10.33	-29.35

D65 光源, 10°, 0/d(SCI)								
色板编号	X	Y	Z	x	y	L*	a*	b*
706W	80.48	85.30	89.57	0.3152	0.3340	94.01	-0.77	+1.36
706Y	62.81	68.29	17.57	0.4225	0.4594	86.15	-4.44	+66.71
706R	22.97	14.74	6.99	0.5138	0.3298	45.28	+47.56	+25.19
706G	21.93	30.27	19.84	0.3044	0.4202	61.89	-28.81	+20.35
706B	22.88	28.32	52.50	0.2207	0.2731	60.18	-17.05	-26.25

备注: 照明/观测条件: 0/d(SCI)----垂直入射, 漫射接收, 包含镜反射分量。
以下空白。

测量结果的不确定度: $U(Y) = 1.8\%, k=2$
The Uncertainty Of the Measurement

限制使用范围及条件:
The Test Results Are Limited And Upon Conditions That
/

