



# JOLIN CORPORATION

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Version No. 01

## Item

Product Description Photoluminescent pigment  
Model **YG-B2-RW**

## Application Scopes

Screen printing ink, brush/roller/spraying paint indoors, dip plastic coating, injection/extrusion/casting plastic, silicone rubber molding, etc.

## Typical chemical properties

**Composition** Strontium Aluminate doped with Europium Dysprosium oxides.  
**Insoluble in** organic solvents, water  
**Decomposition by** Strong acids, strong alkalines  
**Fastness to heat** -40~850°C

## Typical physical properties

**Appearance** Yellowish crystal powder  
**Specific gravity** 3.6g/cm<sup>3</sup>  
**Bulk Density** 1.21g/cm<sup>3</sup>  
**Average Particle Size** 25-35um.

## Typical luminescent properties

**Excitation** all visible light and UV light (250~450nm better)  
**Glow Color** Blue green (Emitting light Wavelength Peak: 490±2nm)  
**Afterglow Intensity after** 10min >260 mcd/m<sup>2</sup>  
60min >35.0 mcd/m<sup>2</sup>  
600min >2 mcd/m<sup>2</sup>

Afterglow intensity(to 0.32mcd/m<sup>2</sup>): >3120min under norm DIN67 510

## Typical luminance data

Time	10"	1'	2'	3'	4'	5'	10'	15'	20'	30'	40'	50'	60'	90'	120'	180'	300'	600'
mcd/m <sup>2</sup>	6320	2081	1198	847	662	677	276	187	138	88	63	49	40	24	17	10.3	5.37	2.15

**Lifespan:** >15years under well packing condition.

## Safety:

1. Toxic: NO.
2. Radioactive: NO.

## Other data:

1. Using Condition(recommended):  
With all colorless, transparent medium, such as paint, coating, resin, etc.
2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C
- 20'Container FCL Q'ty: 11250kgs(palletized)
5. Norm Complied: EN71-3, RoHS, DGM.
6. Norm MEET: PSPA Class-C, JIS-Z9107 JB.  
IMO A.752(18), ISO 23601, UL924,  
ASTM E2030/E2072/E2073,

3. Packing: 25kgs /iron pail lined with plastic bags.  
G.W.: 26.6kgs, Dim: D31 x H34cm

ATPA SS-PS-002-98/SS-PS-004-99,  
BS 5499-1 2002, NYC Law 26