

SELF GLOWING WALL AND FLOOR TILES



BASIC PRODUCT INFORMATION

Main ingredients:

Rare earth, strontium aluminate
,silicate,inorganic crystal.

Light storage condition:

Any visible light, such as natural
light in the daytime and light in
the night.

Light absorption and luminescence:

The time of excitation is different under different illuminance. Under the indoor light, the time required is about 20 minutes, if natural light, 5-20 minutes is enough. The higher the illumination, the shorter the time of excitation. Once fully storage, it will last luminescence more than 10 hours in the dark.

Physical properties:

High mechanical strength, good wear resistance, fracture resistance, impact resistance, earthquake resistance, freezing resistance and other properties are in line with or higher than the national building materials standards.

Chemical properties: corrosion resistance, weatherability, non-toxic, no radiation.

Shape and color:

It is no different from the ordinary wall and floor tiles, also could be customized according to demand. Under the illumination, it shows natural walls and tiles color such as light yellow and light yellow, green and so on. In the dark without light, it shows yellow, green, blue-green and sky blue.



APPLICATION AREA

The light storing & self luminescent wall and floor tiles can absorb the various visible light to achieve the luminous function, and has strong absorption capacity for sunlight and light. The product repeatedly absorbs light and gives out light. Once construction can be used for more than 30 years at least.

The product presents a good weak light illumination with signs, marking and beautification. It provides guidance for warning, emergency escape, and risk avoidance in the dark, and can be applied to

Indoor:

Fire, anti-aircraft tunnel, corridor, underground car park, underground corridor, shopping malls, subway stations and other places.

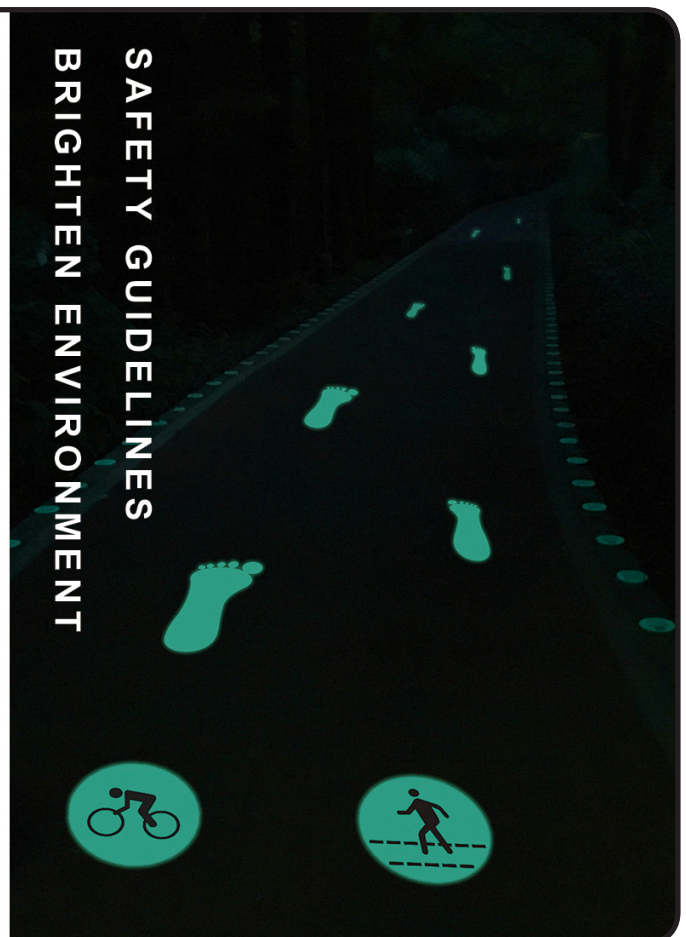
Outdoor:

walkway, river banks, parks, squares, power facilities, gas pipelines, optical cable systems, road tunnels and other places.

Fitness Foot Path (Natural Light State)



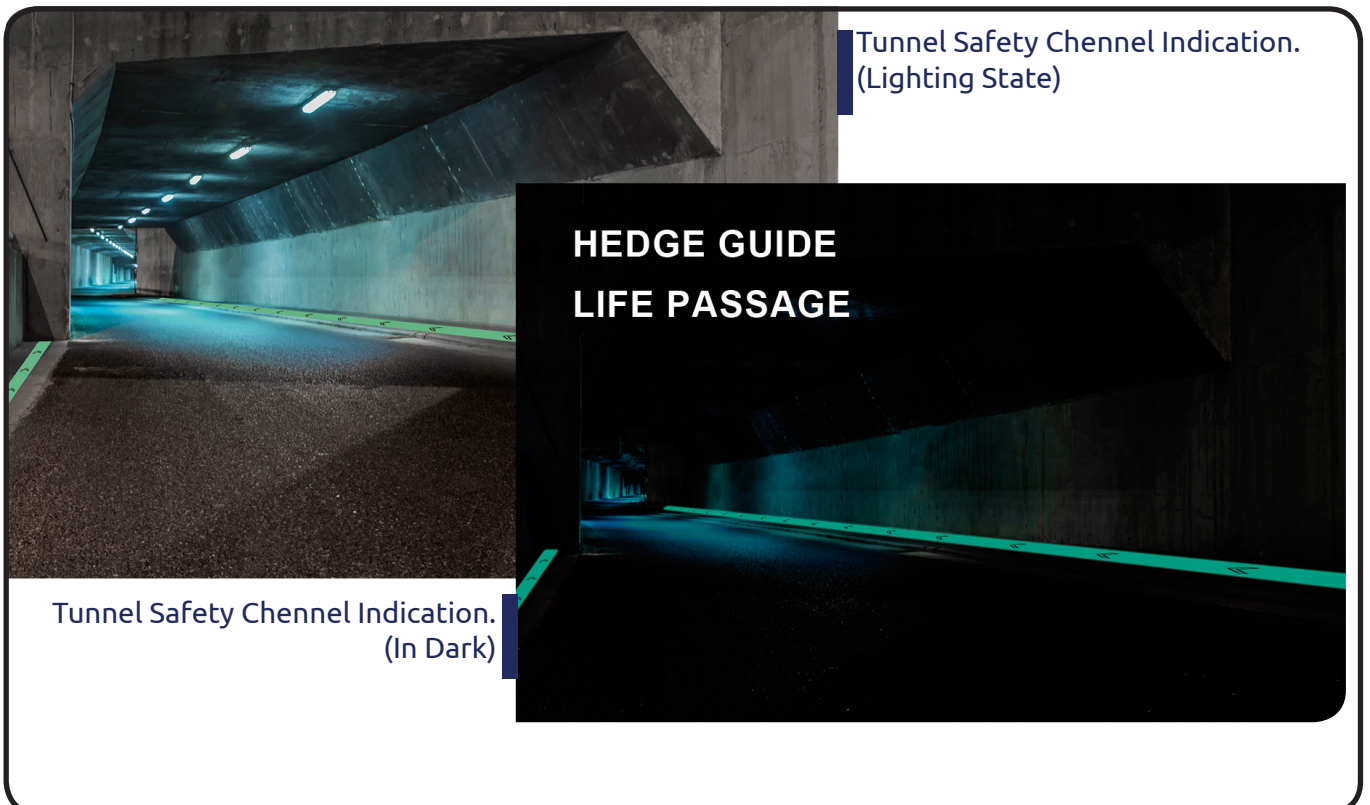
Fitness Foot Path (In Dark)



ENGINEERING CASE



Tourist Trail (on dark)



Tunnel Safety Channel Indication.
(Lighting State)

Tunnel Safety Channel Indication.
(In Dark)

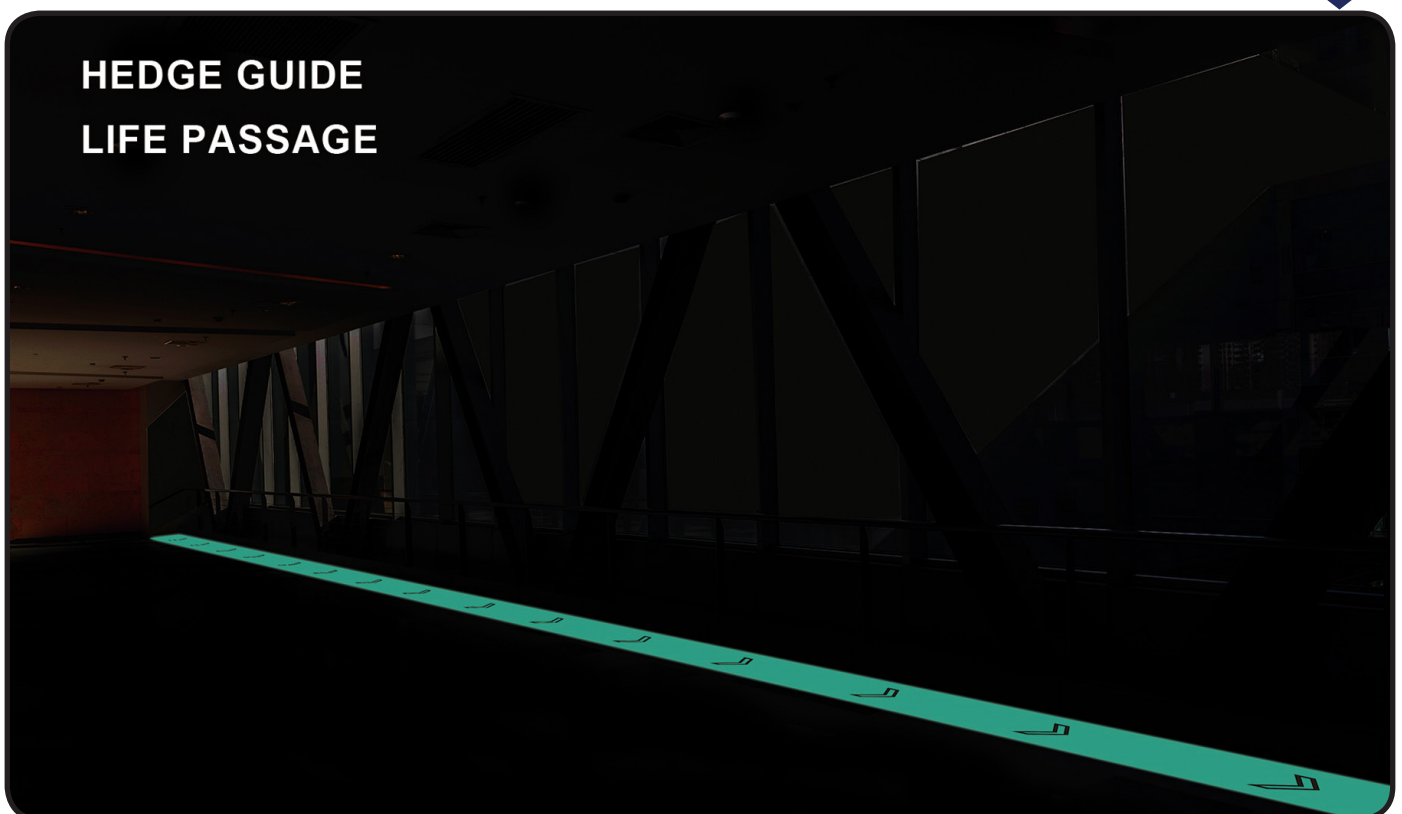
ENGINEERING CASE



↑ Multi-Storied Building
(Lighting State)

Multi-Storied Building
(In Dark) ↓

**HEDGE GUIDE
LIFE PASSAGE**





SUNRAY
SOLUTIONS

ENGINEERING CASE



Lighting State

In Dark

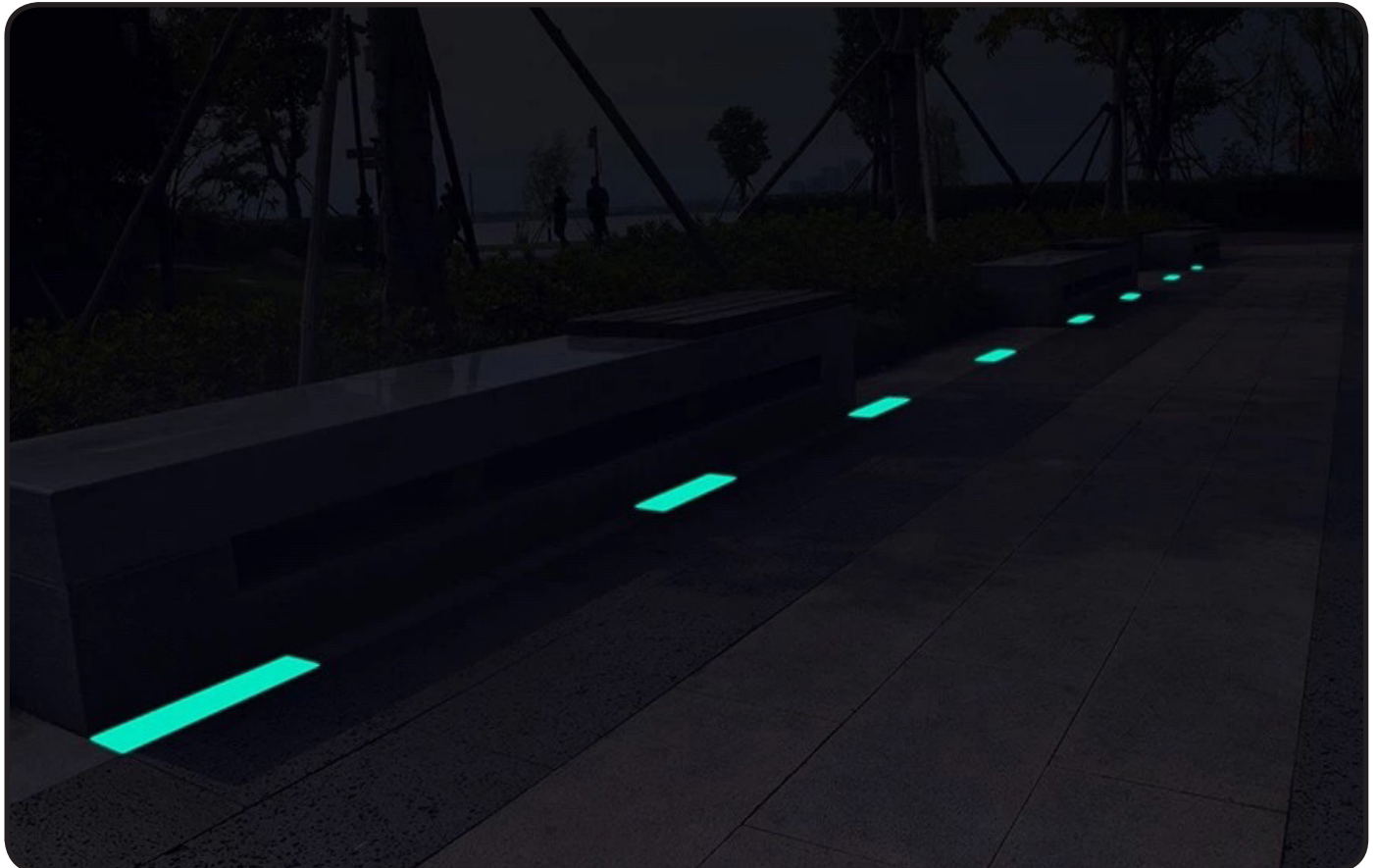


ENGINEERING CASE

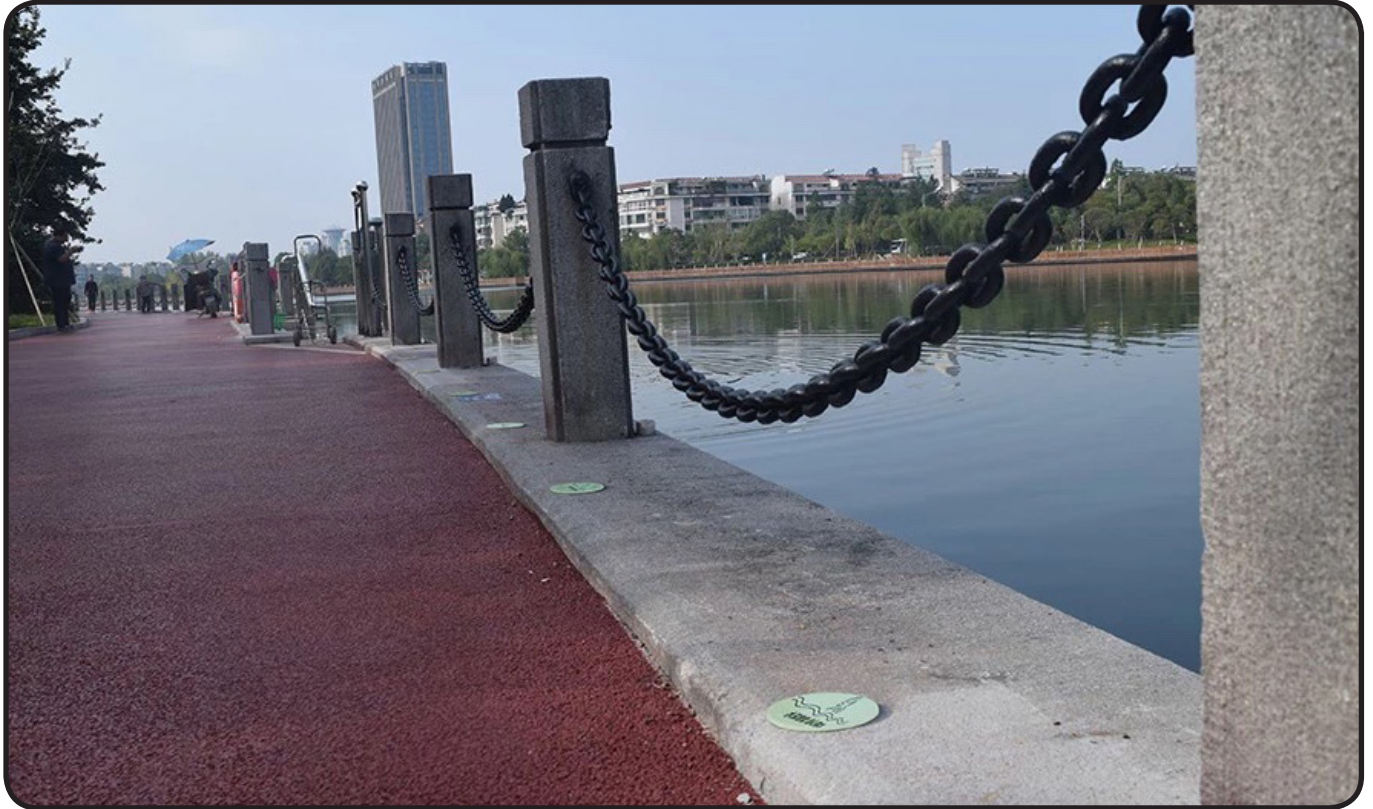


↑ Lighting State

In Dark ↓

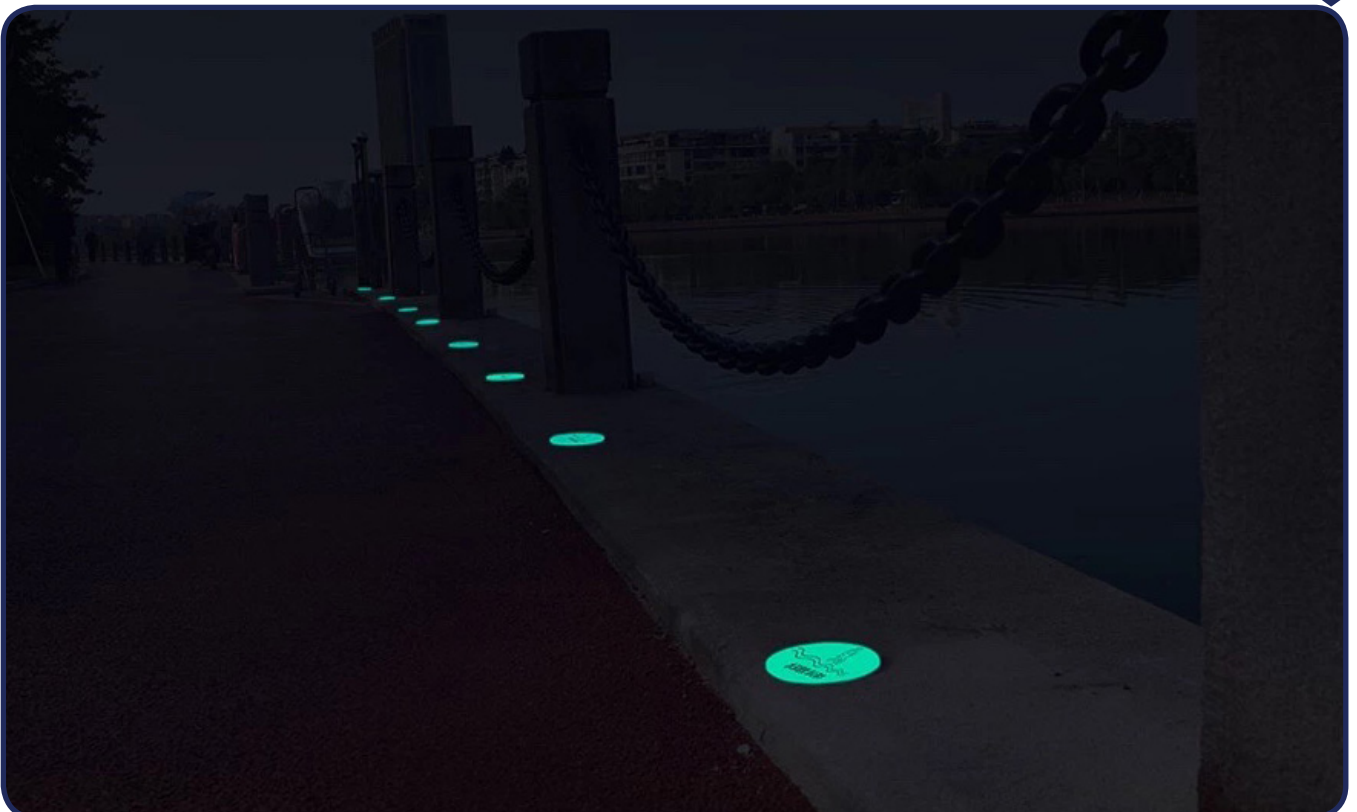


ENGINEERING CASE



↑ Lighting State

In Dark ↓



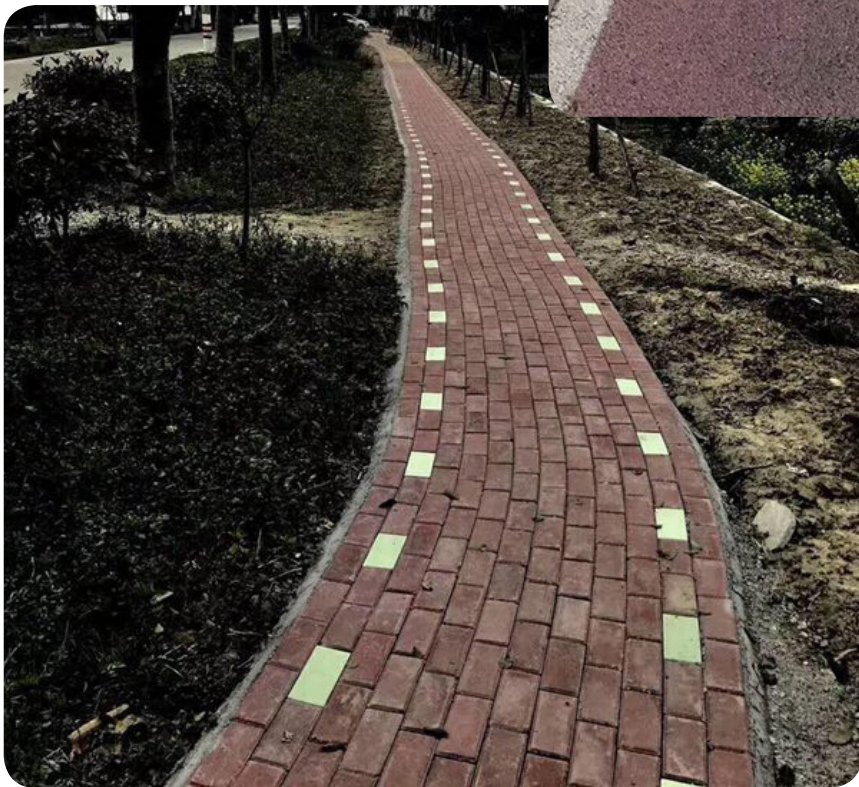
ENGINEERING CASE



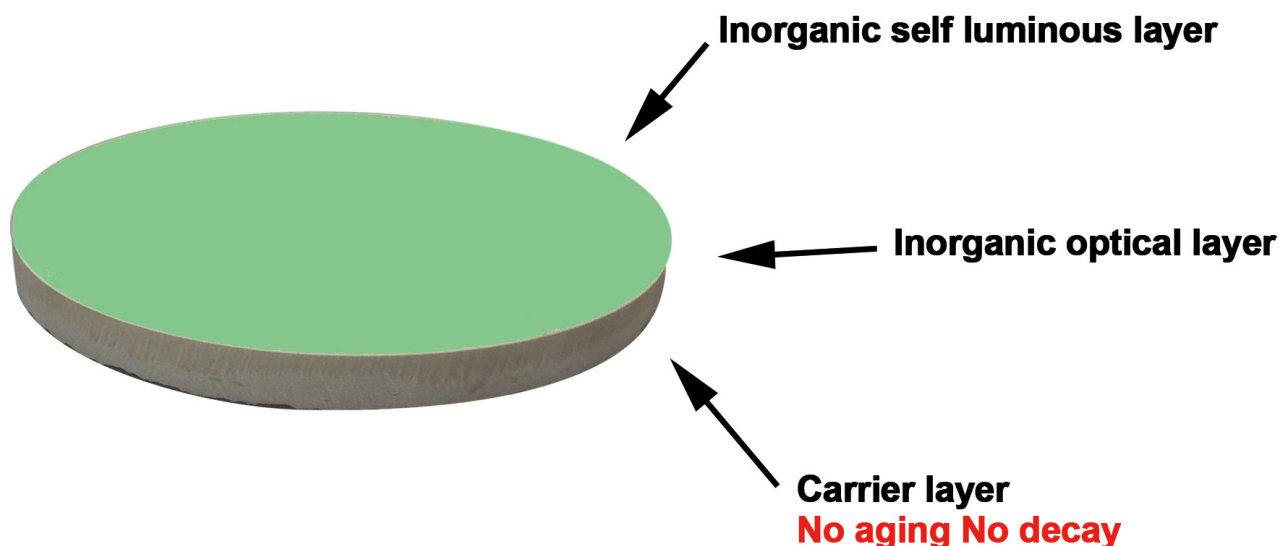
↑ Lighting State

In Dark ↓





INORGANIC SELF LUMINOUS DISRUPTIVE INNOVATION



- ↓ High mechanical strength.
- ↓ Good abrasion resistance
- ↓ Fracture resistance, impact resistance, earthquake resistance and frost resistance
- ↓ Corrosion resistance, weather resistance, non-toxic, no radiation.

All of the above performance indicators are consistent with or due to national building materials standards

Inorganic light self luminous wall and floor tiles are suitable for indoor and outdoor environmental conditions.

The self-luminescent materials made by traditional resin technology are subverted, solved the problems of easy ageing, poor hardness, non-wear resistance etc., which lead to the failure of absorbing luminescence and short service life.

**Technical performance of inorganic
light storage & self luminous floor tiles**

Break Strength	≥ 5000 N
Abrasion Resistance	Level 3/1500 R
10hours Afterglow Strength	≥ 60 mcd
Antifreeze	Meet GB/T3810.12 - 16 requirements
Anti-Fouling	Level 5
Chemical Corrosion Resistance	GA
Rupture Modulus	≥ 40 MPa
Impact Resistance	≥ 0.8