Energy storage luminous water-based paint

The invention discloses an energy storage type luminescent coating for an environment-friendly plastic base and a preparation method thereof. The energy storage type luminous paint for the environment-friendly plastic base comprises the following main components: acrylic acid or/and acrylate, diacetone acrylamide, a cross-linking agent, a luminescent material, an initiator, an ...

Most of the water and turpentine-based paint panels failed in some of these tests while oil, epoxy, and urea formaldehyde-based paints passed in almost all the tests; hence further investigations ...

[0014] A novel energy-storage luminous latex paint of the present invention is composed of two components A and B: a, by weight, 170-240 parts of water, 1-5 parts of hydroxyethyl cellulose, 1-10 parts of dispersant, 1-7 parts of defoamer, 0.5-4 parts of wetting agent, 0.5-4 parts of ammonia water, 1-4 parts of fungicide, 12-24 parts of film-forming aid, 17-40 parts of ethylene glycol, 80 ...

The invention discloses an acrylic acid-based weather-resistant energy-storage self-luminous material for a road and a preparation method thereof, belonging to the technical field of self-luminous materials and aiming at solving the problems of poor construction performance, easy aging and low road service life of a modified energy-storage self-luminous material.

The invention discloses an attapulgite energy storage luminous paint. The key point of the technical proposal of the invention is that the attapulgite energy storage luminous paint consists of purified attapulgite, strontium aluminate, polyvinyl alcohol ultrafines, instant sodium silicate, superfine glass powder, rutile type titanium dioxide and a solid silicone antifoam agent.

The invention relates to the field of coatings, and particularly relates to a water-based acrylic energy-storage luminescent coating and a preparation method thereof. The water-based acrylic energy storage luminous paint comprises the following components in parts by weight: 20-30 parts of water, 0.1-0.3 part of dispersing agent, 0.1-0.3 part of wetting agent, 0.01-0.1 part of ...

The invention discloses a composite energy-storage luminescent material, a water-based energy-storage luminescent coating and a preparation method thereof, wherein the composite energy-storage luminescent material comprises strontium titanate activated by europium, strontium stannate activated by dysprosium and europium and magnesium silicate strontium activated ...

A technology of energy storage and luminescence, interior wall coatings, applied in the field of coatings, to achieve the effect of hard texture, excellent water and weather resistance, and ...

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Long-afterglow rare-earth luminescent materials are one of the most important rare-earth functional materials. Among the alkaline-earth aluminates, the phosphors SrAl 2 O 4:Eu 2+ /Dy 3+ are widely used due to their excellent performance. Unlike other photoluminescent materials, they can absorb and store the energy from an external light radiation source [16].

The invention discloses a warm-color long-afterglow energy-storage luminescent coating, which comprises the following components in percentage by weight: 0.4 to 0.6 percent of hydroxyethyl cellulose, 0.05 to 0.1 percent of pH regulator, 0.6 to 0.8 percent of water-based dispersant, 0.2 to 0.4 percent of water-based wetting agent, 0.3 to 0.6 percent of water-based defoamer, 0.2 to 2 ...

Keywords: long afterglow paint; fluorocarbon resin; rare-earth-doped strontium aluminate; luminescent pigment; weather resistance ????????(?????????)????? ...

The invention relates to an environment-friendly energy-storage self-luminous road marking paint and a preparation method thereof. The coating comprises the following components in parts by weight: 35-40 parts of water-based acrylic emulsion, 8-10 parts of modified fluorocarbon emulsion, 6-8 parts of mixed solvent, 26.7-47.2 parts of reflective powder, 0.1-0.2 part of bactericide, 0.1 ...

The light storage self-luminous road marking paint has the beneficial effects that various raw materials are commercially available general industrial raw materials, the production cost is low, the process is simple, and the light storage self-luminous and reflective functions are good, so that the road marking has good luminous recognition ...

A technology of energy storage and luminescence, interior wall coatings, applied in the field of coatings, to achieve the effect of hard texture, excellent water and weather resistance, and good compatibility ... Energy-storage luminous negative-ion water-based interior wall coating and preparation method thereof. What is Al technical title?

The invention discloses an energy storage type luminous paint and a preparation method thereof. The coating comprises the following components in percentage by mass: 30 to 50 percent of film forming material, 20 to 40 percent of noctilucent powder, 10 to 15 percent of curing agent, 8 to 12 percent of diluent, 0.5 to 2 percent of dispersant, 0.1 to 0.5 percent of defoaming agent, 0.2 to ...

The present invention relates to an energy storage water-borne luminous coating for environmental protection and a preparation method thereof, which belongs to the technical field paint. The composition of the present invention mainly comprises film forming substance of acrylic emulsion, a luminescent material, extender pigment, other common coating additives and ...

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