Energy storage luminous paint

The invention discloses an energy storage type self-luminous nano coating material. The energy storage type self-luminous nano coating material comprises the following ingredients in parts by weight: 30-40 parts of perforated expanded perlite, 50-80 parts of filler, 30-40 parts of resin, 15-20 parts of glass micro-beads, 10-20 parts of chitin, 15-20 parts of chitosan, 20-40 parts of nano ...

The invention belongs to the technical field of coatings, and particularly relates to an energy-storage type environment-friendly luminous coating and a preparation method thereof. The film-forming substance is selected from one or more of polyester imide resin, polyurethane resin, organic silicon modified acrylic resin and epoxy resin, and is cooperated with other ...

Three types of solar paint currently in development have demonstrated the most potential: quantum dot solar cells, hydrogen-producing solar paint, and perovskite solar paint. While these cutting-edge systems are the furthest along, the exciting world of solar continues to evolve, with new technologies constantly emerging. Quantum dot solar cells

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 ...

developed countries already have a more mature technology of energy storage luminous paint. There are also many Chinese scholars have made certain achievements in the field of luminous paint. Ai Hua Yang[5] research on the wall luminous paint. The luminescent paint * Corresponding author: zhaosu2005@126

The invention relates to the technical field of paint processing, and in particular discloses a processing device of energy storage luminous paint, which comprises the following components: the stirring barrel is provided with a stirring mechanism, and the stirring mechanism comprises a stirring head; the dispersion grinding mechanism comprises a movable cover arranged at the ...

Active luminous road markings: A comprehensive review of technologies, materials, and challenges ... and the light must be shined vertically on the paint surface. The lamp is turned off after the exposure process ends, and the luminous time is recorded. ... The molecules that constitute these particles act as energy storage houses during the ...

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film luminous paint storage Prior art date 2021-09-10 Legal status (The ...

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 invention discloses an energy-storage type luminous powder coating and a preparation method thereof, and relates to the technical field of powder coatings. The light-emitting coating comprises a film-forming substance, a curing agent, a light-emitting material and a leveling agent, wherein the light-emitting coating comprises a film-forming substance, a curing agent, a ...

the embodiment of the invention relates to the field of coatings, and particularly relates to an anti-cracking energy-storage self-luminous hot-melt road marking coating as well as a preparation method and application thereof. The anti-cracking energy-storage self-luminous hot-melt road marking paint provided by the embodiment of the invention comprises the following raw ...

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 emulsifier, a filler, an auxiliary agent and deionized water. The coating of the present invention is ...

The invention discloses a fireproof energy-storage luminous paint which comprises the following raw materials in parts by weight: 320 parts of water 280-containing material, 1-3 parts of hydroxyethyl cellulose, 3-5 parts of a dispersing agent, 3-5 parts of a water quality stabilizing agent, 1-3 parts of a defoaming agent, 1-3 parts of a bactericide, 1-3 parts of ethylene glycol, 1 ...

LuminoKrom® paint, photoluminescence with renewable energy. The LuminoKrom® light absorption and restitution process relies entirely on light energy (mainly solar), a renewable, free and clean source of energy. This ...

Disclosed in the present invention are an energy storage type luminous powder-paint coating and a preparation method therefor, relating to the technical field of powder paints. The coating comprises a reflective coating and a luminous coating. A paint for the luminous coating comprises a film-forming substance, a curing agent, a luminous material and a leveling agent.

The invention relates to the field of paints and coatings, in particular to novel energy-storage luminous emulsion paint comprising a component A and a component B. The component A is prepared by mixing water, hydroxyethyl cellulose dispersing agents, defoamers, wetting agents, ammonia water, fungicide, coalescing agents, ethylene glycol, rutile titanium powder, ...

Energy storage luminous paint

The present invention relates to a energy-storing water-borne luminescent paint. Said invention adopts strontium aluminate activated by bivalent europium as luminescent powder, adopts the acrylic resin process or polyethylene wax process to make coating treatment of luminescent powder surface, so that it can raise the hydrolysis stability of luminescent powder.

The utility model provides a processingequipment of luminous coating of energy storage relates to the luminous coating processing technology field of energy storage, including the conveyer belt, the curb plate is all installed to the both sides of conveyer belt, two install the feeding storehouse on the curb plate, two be provided with on the curb plate and hit garrulous mechanism, it ...

The invention discloses an energy-storage luminous multicolor paint and application thereof.A base surface to be coated is sequentially coated with a permeable primer, a high-elasticity middle coating, an energy-storage luminous multicolor paint and a weather-resistant finish; the energy-storage luminous multicolor paint comprises the following chemical components in percentage ...

The utility model discloses an energy storage luminous road marking construction device which comprises a base and a stirring structure, wherein the top of the base is fixedly connected with a storage box, energy storage luminous road marking raw materials are placed in the storage box, a discharging pipe is communicated right in front of the storage box, the bottom of the ...

The invention discloses a method for producing an attapulgite energy storage luminous paint. The key point of the technical proposal of the invention is that the method for producing the attapulgite pavement marking paint comprises the steps of material mixing, crashing, homogenization, defoaming, grinding and packaging to obtain a finished product of the attapulgite energy ...

The invention relates to the field of luminous paint, in particular to energy-storage luminous powder paint and a production construction method thereof. The first coating component: 60 parts of saturated non-branched carboxyl-terminated polyester; 4.52 parts of triglycidyl isocyanurate; 0.9 part of acrylate leveling agent; 0.5 part of amino modified phenolic urea surfactant; 0.8 part ...

The invention relates to a water-based energy-storage self-luminous road marking paint which comprises 30-40 parts of acrylic acid polymer emulsion, 0.3-0.5 part of pigment, 5-10 parts of defoaming agent, 20-40 parts of filler, 1-3 parts of ethanol, 1.5-3 parts of film forming auxiliary agent, 0.1-0.3 part of mildew-proof preservative, 0.1-0.5 part of thickener, proper amount of ...

The invention discloses a preparing method of an energy-storage luminous decoration plate. The method comprises the following steps that: straw powder, magnesium oxide, magnesium chloride, pulverized fuel ash, quartz sand, calcium lignosulphonate and concrete air entraining agents are mixed; tap water is added into the mixture; the mixture is sufficiently and uniformly stirred at ...