

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 ...

Self-luminous wood composites exhibit high latent heat of fusion (146.7 J g<sup>-1</sup>), suitable phase change temperature at about 37 °C, excellent thermal reliability and thermal stability below 105 °C, which shows self-luminous wood composites are beneficial for thermal energy storage. In addition, self-luminous wood can absorb ultraviolet and ...

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 ...

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 noctilucant 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 environment-friendly water-based luminescent coating and a preparation method thereof. The coating comprises a primer and a finish, wherein the finish comprises the following components in parts by mass: 35-55 parts of water-based emulsion, 20-40 parts of noctilucant powder, 10-15 parts of curing agent, 4-6 parts of diluent, 1-2 parts of ...

The invention discloses a water-based energy storage luminescence floor coating, comprising a main agent and an amine curing agent, wherein, the main agent comprises epoxy resins, surface modified noctilucant powder, solid fillers, auxiliaries and solvents. The method is characterized by first evenly mixing the modified noctilucant powder, the epoxy resins, the solid fillers, the ...

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 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 ...

A technology of energy-storing luminescence and energy-storing luminescent powder, which is applied in the direction of luminescent coatings, epoxy resin coatings, coatings, etc., can solve ...

The hardness of energy storage self-luminous plastics was between 10-100HA, which was meeting the requirements of medium hardness plastics, and could be further applied to luminous labels. ... Preparation and properties of nano-SrAl<sub>2</sub>O<sub>4</sub>/epoxy long-afterglow luminescent coatings. Shanghai Coat, 51 (2013), pp. 11-14. View in Scopus Google ...

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 ...

The invention discloses an attapulgite paste energy storage luminous paint. The key point of the technical proposal of the invention is that the attapulgite paste energy storage luminous paint consists of paste palygorskite clay, silicon-acrylic emulsion, strontium aluminate, polyvinyl alcohol ultrafines, instant sodium silicate, rutile type titanium dioxide, caprylic alcohol and deionized ...

The invention relates to the technical field of coatings, in particular to an energy-storage luminous negative ion water-based interior wall coating which comprises the following components: the paint comprises anion powder, luminescent powder, a film forming agent, deionized water, a dispersing agent, a thickening agent, a defoaming agent, a preservative, an antifreezing ...

The invention discloses an energy storage type luminescent powder coating and a preparation method thereof, relating to the technical field of powder coatings. The coating comprises a film forming substance, a curing agent, a luminescent material and a leveling agent; the gloss of the reflective coating is below 95%; the luminescent material is rare earth activated alkaline earth ...

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 ...

CN111908818A CN202010794917.9A CN202010794917A CN111908818A CN 111908818 A CN111908818 A CN 111908818A CN 202010794917 A CN202010794917 A CN 202010794917A CN 111908818 A CN111908818 A CN 111908818A Authority CN China Prior art keywords self luminous aggregate coating inorganic Prior art date 2020-08-10 Legal status (The legal status ...

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, ...

The utility model discloses an energy storage luminescent material coating unit, including applicator roll and magazine, the applicator roll top is provided with the magazine, and the magazine bottom surface is provided with an annular material switch, the applicator roll below is provided with conveyor, and cup joints at the transfer gear surface at the conveyor both ends.

The utility model discloses an energy storage luminous indicator lamp, including casing, closing cap, reflector panel, pattern board and transparent backplate, casing and closing cap lock each other and set up and the closing cap is located the casing rear side, and the inside of casing and closing cap is equipped with the cavity, and this cavity is used for installing reflector panel, ...

A traffic sign and coating technology, applied in the field of waterproof energy storage luminous traffic sign coating, to achieve the effect of enhancing waterproof and moisture resistance ... It summarizes the technical point description of the patent document. A traffic sign and coating technology, applied in the field of waterproof energy ...

2013-10-28 Priority to CN201310511178.8A priority Critical patent/CN104559625A/en ... Energy storage type luminous powder-paint coating and preparation method therefor Citations (4) \* Cited by examiner, + Cited by third party ... energy-storage self-luminous material, preparation method and application thereof, self-luminous particles and ...

A luminous coating, energy storage and luminous technology, applied in the field of coatings, can solve the problems of poor flame retardancy, mildew resistance and water resistance, and ...

The process to create these PCM composites includes coating the surface of graphite with a surfactant, compressing the graphite to form a matrix, then filling the graphite matrix with the ...

The invention discloses a hydrophobic energy storage luminescent coating and a preparation method thereof, and the hydrophobic energy storage luminescent coating comprises 15-20% of water, 0.5-1% of preservative, 0.5-1% of mildew preventive, 0.5-1% of cellulose, 2-3% of ethylene glycol, 3-1% of AMP-950.5, 0.3-0.5% of dispersant, 3-5% of lauryl ester, 35-42% of silicone ...

A luminescent coating, high-performance technology, applied in luminescent coatings, anti-fouling/underwater coatings, anti-corrosion coatings, etc., can solve the problems of difficult ...

The invention discloses a luminescent coating comprising the following components in percentage by mass: 51% of acrylic resin, 11% of luminous pigments, 6% of a dispersing agent and 4% of an anti-settling agent. The prepared luminescent coating is free of any radioactive substance, is activated by light in the day time, is capable of emitting light in a dark place at night, can be ...

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 ...

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.

An energy storage type luminous paint and a preparation method thereof. The energy storage type luminescent paint comprises a luminescent pigment, and the luminescent pigment comprises  $\text{Sr}_4\text{Al}_{14}\text{O}_{25}:\text{Eu}^{2+}, \text{Dy}^{3+}$ . The method comprises the following steps: (1) adding water, a thickening agent and a defoaming agent into a container under the condition of stirring; (2) ...

The present invention relates to a kind of high performance nanometer energy storage aqueous luminous paints, are made of fluorine-silicon polyurethane modified acroleic acid water-base resin, pigments and fillers, phosphor, luminous organic material, nano-functional material, auxiliary agent and deionized water. A kind of high performance nanometer energy storage aqueous ...

An energy-storing luminescent and colorful paint technology, applied in the field of coatings, can solve the problems of no luminescence, energy consumption, and difficult construction, and ...

The utility model discloses an environment-friendly sound-absorbing energy-storing luminescent coating, which sequentially comprises the following components from bottom to top: substrate layer and pumice layer, the pumice layer includes a plurality of pumice, be provided with the luminous coating of energy storage on the pumice. The coating has the functions of sound ...

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 ...

A technology of energy-storing luminescence and energy-storing luminescent powder, which is applied in the direction of luminescent coatings, epoxy resin coatings, coatings, etc., can solve the problems that luminescent powder cannot directly use water-based coatings, and the development of water-based luminescent coatings is difficult to make great progress. Achieve ...

The invention relates to an energy-storage luminous self-cleaning water-based paint special for a highway tunnel, which is designed by two components, wherein the component A comprises organic silicon resin, functional pigment and auxiliary agent, the component B comprises silane coupling agent and drier, and the silane coupling agent and the drier are mixed according to a ...



## Energy storage luminous coating patent

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