



Touch The World With Innovation



SOUNDPROOF COATING PAINT

YY-101

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TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION:

Inorganic fiber spray painting series products are made of inorganic fiber cotton and SPR water-based special environmental protection binder through a complete set of professional spraying machine.

It is a new type of environmental protection of thermal insulation, heat insulation, sound absorption, noise reduction, fire prevention spraying products. After using the spraying technology, a similar carpet texture is formed on the building surface.

PRODUCT FEATURES:

Acoustic characteristic:

After products are constructed by special spraying process, their internal fibers are interwoven together to form a certain strength and toughness

The extremely complex stereo network structure greatly extends the propagation path and time of sound waves inside it, and then increases it.

Because the acoustic wave vibrate the acoustic energy from the mechanical energy to the mechanical energy, so that the acoustic wave energy of the acoustic coating layer is sharply decreased reduction.

Damping characteristic:

Products are evenly sprayed with the sound absorption layer attached to the steel plate, which plays A good sound damping role, improves the vibration mode of the steel plate itself, and greatly improves the sound insulation performance of the medium and low frequency of the steel plate, so as to improve the overall sound insulation ability. The experiments show that the noise reduction effect is very significant. A-8 product this unique acoustic damping performance, as early as used in railway vehicles.

In the application of replacing the damping mortar, it has been effectively verified after the large vibration experiment and the actual vehicle operation test of a railway route.

NEW CHEMICAL BUILDING MATERIALS



Closure sound insulation characteristics:

The structural gap of the house cover plate produces a large sound leakage, resulting in the decrease of sound insulation volume. A-8 is sprayed on the lower surface of the light house cover plate, forming an overall closed sound-absorbing house structure, which has a good sealing effect on the structural gaps existing in the house cover plate. (According to the inspection of A gymnasium, after spraying products, the air sound insulation volume is increased from 37dB to 49dB at 250Hz, Air insulation at 2000Hz increased to 70dB.

Noise reduction features:

Lightweight roof, especially metal roof, in the rain hit, the drum effect, rain noise. The noise will be transmitted through sound leakage and structural vibration transmission.

The product has good damping characteristics, attached to the bottom of the metal, just like the rubber glued on the drum surface to make the drum sound less dull, the damping limits the vibration of the metal plate, Reduced the noise transmission. (According to the structure of a gymnasium, the improvement of rain noise is 5 NR).

WHERE TO USE:

- Make the insulation of the basement ceiling (the separation area between the heating room and the non-heating room)
- Make the exterior wall of curtain wall building insulation (must be film covering)
- Sound insulation of equipment room and elevator shaft
- Thermal insulation and sound absorption of the bottom of pressed steel roof
- Make the sound absorption and insulation of the bottom surface of the special-shaped (round and arch) roof
- Make the library, exhibition hall, museum, conference hall, church, school, pick table and other sound absorption and insulation
- Make the Karaoke room, natatorium, cinema, concert hall, terminal hall, restaurant, dance hall, office building, hospital thermal insulation and sound absorption



PACKAGING:

Inorganic fiber cotton, 20KG/bag
 SPR binder, 20kg/bucket

TECHNICAL DATA:

Test Item		Result
Engrene combustion performance		Fire protection grade A, non-combustible
Adiabatic properties and thermal conductivity		0.035W/m.k
Cold area underground, the garage design thickness	joint development	Heat transfer series K 1.5 Thickness of 20mm
	Civil construction	Heat transfer series K 0.55 Thickness of 50mm
Sound absorption performance	25mm	0.80 NRC
	50mm	1.00 NRC
adhesive property		It is evenly to the base, and the bonding strength is greater than 24 KPa by vibration test
Appearance decoration effect		Spraying presents the natural texture of no seam carpet texture, easy to trim, pure color, can be surface color spraying decoration
Antimicrobial		Long-term antibacterial, no mildew (without adding any agent)

UNIT COVERAGE:

Inorganic fiber cotton, 4kg/m² @30mm thickness
 SPR binder, 1.5kg/m² @30mm thickness

NEW CHEMICAL BUILDING MATERIALS

Non-warranty: Because the storage, handling and application of the material is beyond YUNYAN COMPANY control, we can accept no liability for the results obtained. YUNYAN COMPANY sole limited warranty is the product meets the manufacturing specifications in effect at time of manufacturing. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. YUNYAN COMPANY will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe any patents.