

ISONEM ANTI SOUND PAINT TECHNICAL DATA SHEET

Product Name	: ISONEM Anti Sound Paint
Type	: Waterborne, acrylic emulsion based paint used for sound insulation
Density (25°C, g/mL)	: 0.80 ± 0.10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: 12500 - 13500
Solid Content (% Weight)	: 53 ± 2
Water Transmission Rate (kg/ m². h^{0.5})	: ≤ 0.1, CLASS W ₃
Adhesion strength by pull-off test (N/mm²)	: Crack-bridging system trafficking ≥ 1,0 With trafficking ≥ 2,0
Permeability to water vapour (m)	: 5 ≤ sD ≤ 50, CLASS II
Brightness (85° angle)	: ≤ 10, CLASS G ₃
Solvent	: Water
Flash Point (°C)	: N/A (not applicable)
Class of Fire Reaction	: B S1 d0
Consumption	: 1 lt / m ² (for 1 mm thickness) 2 lt / m ² (for 2 mm thickness)
Color	: Available in colors in the ISONEM Color Chart
Packaging	: 18 lt PE Buckets
Application Temperature (°C)	: 5 – 35
Storage Temperature (°C)	: 5 – 35
Storage Condition/Shelf life	: 24 months from production date, if stored dry condition
Application Tools	: Brush, roller, airbrush

USAGE AREA

- Apartments,
- Engine and machine rooms,
- Disco and entertainment venues,
- Cinemas and theatres,
- Hospitals and hotels,

- Schools, kindergartens,
- Vehicles and yachts,
- Military facilities, shooting galleries,
- It is used as interior and exterior side sound isolation paint in venues where sound isolation and noise is not welcome.

SURFACE PREPARATION

Surface must be clean, uniform, dry, free of dust, oil or grease and loose or weak particles. Surface requiring primer should be primed with ISONEM UNIVERSAL PRIMER as one coat with consumption approximately 200 - 300 gr/m² and left to dry for 4 hours.

- **For the metal surfaces:** Surface requiring primer should be purified from any kind of oil, dust, rust and similar materials that may prevent the paint to be fixed to the surface. Surface should be primed with any kind of epoxy based anticorrosive primer such as Epoxy Shop Primer or Anti Rust etc. The information of consumption and through-dry time depend on manufacturer instructions.

APPLICATION METHOD

It is easily applied using a roll, brush or airbrush. In the interior applications that does not require design/pattern, it is advised to apply with epoxy roller. ANTI SOUND PAINT is applied in 4 hour intervals as 1 mm or 2 mm layers per m².

FEATURES AND BENEFITS

ISONEM ANTI SOUND PAINT, the acoustic paint which is used to stop and reduce sounds, is designed to absorb and isolate the sound in the best possible way. According to the measurement and analysis carried out in conformity with the TS 140-s Standart; It has been certified in Türkak approved accrediting laboratoires, that the applied paint reduces and absorbs the sound level 2,51 dB as regards to 1000Hz, when applied as a 1 mm thick layer and it reduces and absorbs the sound level 4,85 dB as regards to 1000Hz, when applied as a 2mm thick layer, in the 1/3 octave frequency band. The paint is water based. It can be manufactured in any color specified.

In addition to its sound isolation properties, it is resistant to fires with its delayed flammability and non-flammability properties. It is suitable for using to reduce sound levels in any place with sound level problems.