



NANOBARRERATM
THERMAL COATINGS

www.nanobarrera.com.mx



TI20 THERMOACUSTIC

DESCRIPTION

Thermal insulation system (cold/heat), noise absorption, and corrosion control is an advanced and versatile solution for industrial and commercial applications. It is designed to deliver high performance in terms of thermal insulation, noise reduction, corrosion protection, and resistance to moisture.



FEATURES

- **Thermal Conductivity:** TI20 Thermoacoustic exhibits exceptionally low thermal conductivity, ensuring high efficiency in thermal insulation by significantly reducing heat transfer.
- **Noise Reduction:** TI20 Thermoacoustic provides noise absorption, minimizing acoustic discomfort from resonance, impact, and sound conduction.
- **Corrosion Resistance:** TI20 Thermoacoustic offers effective corrosion protection, acting as a protective barrier to prevent damage from corrosive agents such as moisture, chemical substances, and other environmental factors.
- **Mechanical Stability:** Thanks to its high molecular weight and excellent mechanical stability, the system ensures prolonged durability and resistance to deformations, ensuring reliable long-term performance.
- **Sustainability:** TI20 Thermoacoustic is environmentally friendly, meeting the most stringent sustainability standards, with low VOC emissions and eco-friendly characteristics.

T120 THERMOACUSTIC



PROPERTIES

Water-based polymer with a semi-liquid consistency in the wet state, excellent mechanical stability, high molecular weight, antimicrobial activity, germicidal nanocompounds, anti-fungal properties, and controlled addition of low thermal conductivity aggregates, free from thermal bridges, and 100% environmentally friendly.



USES AND APPLICATIONS

Suitable for industrial, commercial, and residential construction, for interior applications on various surfaces such as wood, metal, concrete, plaster, brick, and block. Apply in thin layers using a brush, a brush, or pneumatic spray equipment.



TECHNICAL SPECIFICATIONS

COLOR

Light grey

DENSITY

28.08lb/ft³ (450.0 Kg /m³)

MOISTURE ABSORPTION

0.5983% Volume

WATER VAPOR PERMEABILITY

15.49 perms

THERMAL CONDUCTIVITY

0.076 W/m.K.

VOC

< 0.4172 lb/gal

p.H.

7.0 to 9.0

COVERAGE RATE

0.00041 gal/ft² 0.00041gal/ft² to 0.00130gal/ft²

PACKAGE

5 gallon pail (19 liters)

PRECAUTIONS

- Do not add water



T120 THERMOACUSTIC



STORAGE AND SHELF LIFE

Shelf life of 6 months from manufacture date when properly stored in a warehouse between 41°F and 90°F



APPLICATION METHOD

SURFACE PREPARATION:

1. Sweep and pressure wash the surface.
2. Apply primer membrane.

APPLICATION METHODS:

1. Stir contents at low speed until well-mixed.
2. Apply in thin layers using a brush, roller, paintbrush, airless sprayer, or pneumatic spray equipment.
3. For concrete or cement roofs, it's recommended to lay a reinforcing membrane.

APPLICATION CONDITIONS:

Do not apply when rain is expected or under extreme temperatures.

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