



NANOBARRERA™
THERMAL COATINGS

www.nano-barrera.com

T120 MULTIPURPOSE

DESCRIPTION

T120 Multipurpose is an advanced thermal and acoustic insulation system, combined with corrosion control and waterproofing, is a versatile solution for industrial and commercial needs. It's engineered to deliver top-notch thermal insulation, noise reduction, corrosion resistance, and waterproof capabilities. Suitable for all types of surfaces.



FEATURES

- **Thermal Conductivity:** T120 features exceptionally low thermal conductivity, ensuring high efficiency in thermal insulation and significantly reducing heat transfer.
- **Noise Reduction:** Thanks to its structure and composition, T120 provides excellent noise reduction, minimizing acoustic disturbances both indoors and outdoors.
- **Corrosion Resistance:** T120 offers effective protection against corrosion, acting as a protective barrier to prevent damage caused by corrosive agents, such as moisture, chemicals, and other environmental factors.
- **Waterproofing:** The product boasts high-performance waterproofing properties, preventing water leakage and shielding surfaces from moisture.
- **Mechanical Stability:** Owing to its high molecular weight and superb mechanical stability, the system guarantees prolonged durability and resistance to deformations, ensuring reliable long-term performance.
- **Sustainability:** The system is 100% eco-friendly, meeting the strictest sustainability standards. It contains no toxic or environmentally harmful components.

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PROPERTIES

The product is a water-soluble polymer that's semi-liquid in its wet state. It boasts high mechanical stability and is made up of a high molecular weight. It has been enhanced with antimicrobial activity, germ-fighting nanocomposites, and anti-fungal properties. Carefully integrated are aggregates with low thermal conductivity, ensuring the absence of thermal bridges. Additionally, this formulation is 100% environmentally friendly.



USES AND APPLICATIONS

For industrial, commercial, or residential construction, suitable for interiors or exteriors, wood, metal, concrete, plastered surfaces, brick, block, water-conducting pipes, etc. Apply in layers using a brush, bristle brush, roller, or airless equipment.



TECHNICAL SPECIFICATIONS

COLOR	Flat white
DENSITY	29.79 lbs/ft ³ (476.0 Kg/m ³)
MOISTURE ABSORPTION	Weight: 1.29% Volume: 0.5983%
WATER VAPOR PERMEABILITY	0.0010 ng/Pa.s.m.
THERMAL CONDUCTIVITY	0.07922 W/m.K.
THERMAL EMITTANCE	0.82
SOLAR REFLECTANCE INDEX (SRI)	103
SOLAR REFLECTANCE	0.831
VOC	< 0.4172 lb/gal
p.H.	7.0 to 9.0
COVERAGE RATE	0.0295 gal/ft ²
PACKAGE	5 gallon pail (19 liters)

PRECAUTIONS

- Do not add water



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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.

LEGAL DISCLAIMER AND LIABILITY LIMITATION:

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