



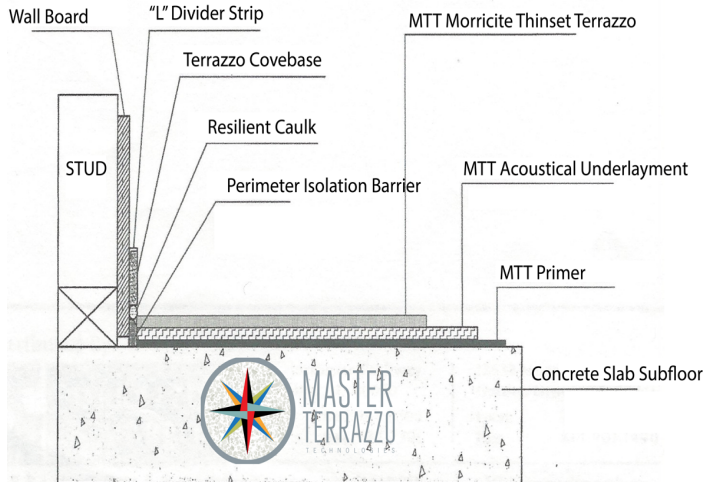
PRODUCT DATA

A 420

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Morricite Acoustic Membrane 420

Installation Diagram:



DESCRIPTION

Morricite Acoustic Membrane 420 is an ultra flexible, 100% solids, solvent free, high build two part epoxy. This membrane system can be used to reduce sound transmission. This product provides excellent crack suppression and absorbs movement to help mitigate reflecting cracking in terrazzo flooring systems.

ADVANTAGES

- Morricite Acoustic Membrane reduces the sound transmission created by unwanted noise.
- Tested exclusively to be used with epoxy Terrazzo. Ultra flexible with elongation greater than 100%
- Environmentally designed, 0 VOC
- 100% post consumer rubber contributes to for LEED contribution. Durable and long lasting. Waterproof and Excellent adhesion. Mixes easily.

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, grease, oil, rust and other contaminants), sound and durable.

New concrete must be fully cured (28 days minimum) and all laitance and curing compounds removed. No curing agents should be used.

The recommended minimum pull-off strength of the prepared substrate is 200 psi.

Concrete surface shall be prepared using mechanically shot blasting. Results of shot blasting

should achieve a CSP3-CSP5 Profile based on ICRI Guideline 03732.

Determine moisture levels prior to installation. Test concrete substrate using ASTM F2170 (determining relative humidity in concrete slabs using in situ probes).

Concrete slab shall have an efficient moisture vapor barrier in contact with the contact with concrete slab. 15 mills thickness is the minimum required for the vapor barrier.

Installation Instructions

Mix 4 gallons of Morricite Acoustic membrane 420 (A) with 2 gallon of Morricite Acoustic membrane 420 (B) hardener. Mix thoroughly. Slowly incorporate approximately 30 pounds of (C) recycled rubber granules. Continue to mix thoroughly until homogeneous. Product and air temperature must be a minimum of 55 degree for 24 hours prior to and after application. Membrane thickness is at least 1/8 (3.2mm). Coverage per 6 gallon unit is approximately 130-150 Sq. Ft.

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Application

The product and air temperature must be maintained at 60 degrees for 24 hours prior to and after the application of Morricite acoustic products. Temperatures that are lower than the above recommendation could cause slower epoxy cure.

Prime the prepared concrete floor using Morricite Acoustic Primer 410. Allow to cure. Trowel at least 1/8" (3.2mm) of Morricite Acoustic Membrane 420 over the cured primer. Allow to cure overnight. Set strips in accordance to specifications. Divider strips shall be permanently bonded with 100% epoxy.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	METHOD	RESULTS
@ 75° F (23° C)		
Mix Ratio A : B	2 to 1 by volume	
Viscosity (mixed)	1500 – 2500 cps	
Tensile Strength	ASTM D 638	> 1,200 psi
Tensile Elongation	ASTM D 638	> 100 %
Hardness	ASTM D 2240 (Shore A)	60 – 80
Bond Strength	ACI 503R	> 300 psi
		100 % Concrete failure
Impact Strength, passing	MIL D 3134	no chipping or delaminating
Impact Resistance	ASTM D 2794	16 ft. – lbs
STC*	ASTM E90	64
IIC*	ASTM E989,ASTM E492	56
Delta IIC*	ASTM E2179	11
Recycled Content		60 % by volume
TESTING WAS DONE ON EPOXY TERRAZZO OVER MORRICITE ACOUSTICAL MEMBRANE ON 6" CONCRETE SLAB WITH INSULATING GYPSUM CEILING		

SAFETY

For industrial and professional use **ONLY**.

For detailed safety guidelines, please refer to the product Material Safety Data Sheet (MSDS)

WARRANTY INFORMATION

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