

ThorTurf Base Stabilizer

Technical Data Sheet



PRODUCT DESCRIPTION

ThorTurf Base Stabilizer is a spray-applied binding agent engineered to lock down the surface layer of arena base materials. ThorTurf Base Stabilizer helps prevent migration of loose base materials upward and into the ThorTurf footing material. ThorTurf Base Stabilizer is a concentrated synthetic polymer emulsion that is safe, non-toxic and environmentally friendly.

COLOR

Milky white in the liquid form. Dries clear.

ENVIRONMENTAL CONSIDERATIONS

An environmentally friendly, non-toxic synthetic polymer emulsion containing less than 50 grams per liter volatile organic content (VOC).

MIXING PROCEDURES

ThorTurf Base Stabilizer is a concentrated polymer emulsion designed to be diluted with water prior to application. Simply dilute ThorTurf Base Stabilizer with water (1 part ThorTurf Base Stabilizer to 4 parts water).

Example (based on 10 gallons of ThorTurf Base Stabilizer for ease of calculation):

ThorTurf Base Stabilizer . . . 10 gallons
Water 40 gallons
Total gallons of
diluted mix 50 gallons

The drying process could take up to several days on indoor arenas in humid conditions. Optimizing air flow in arena (opening doors, turning on fans, etc.) will speed up the drying time of ThorTurf Base Stabilizer. Turning up the heat, if possible, will also expedite drying.

ESTIMATING MATERIAL REQUIREMENTS

One gallon of ThorTurf Base Stabilizer concentrate is needed for every 100 to 125 square feet of arena surface.

Example: Arena size of 200 feet long by 100 feet wide = 20,000 total square feet. 20,000 square feet ÷ 100 square feet = 200 gallons of ThorTurf Base Stabilizer concentrate. You will then combine the 200 gallons of Base Stabilizer with 800 gallons of water (1:4 ratio) to make 1,000 gallons of diluted ThorTurf Base Stabilizer that is now ready to spray. You will apply the entire 1,000 gallons of solution to the 20,000 square foot arena.

TYPICAL PHYSICAL PROPERTIES OF THORTURF BASE STABILIZER

Solids content by weight, %	45-55%
Viscosity (Brookfield, #3 spindle @ 20 rpm)	<1500 cPs
Freeze-Thaw Stability	Protect Liquid from Freezing. Once dry, material is unaffected by freezing temperatures.
Weight per gallon @ 77°F, lbs.	8.5-9.0 lbs.

INSTALLATION

Prior to application of ThorTurf Base Stabilizer, make sure that arena base materials are levelled and compacted with a 3-ton vibratory roller or larger

METHOD OF APPLICATION

Properly diluted ThorTurf Base Stabilizer is applied by spray equipment (spray wand or spray bar). Spray equipment used for spraying water typically works well for this application.

APPLICATION

Apply properly diluted ThorTurf Base Stabilizer solution liberally over compacted base materials. Generously soak the base material allowing the Base Stabilizer solution to soak in and penetrate into the base material. The typical application rate of properly diluted Base Stabilizer solution is 20-30 square feet per gallon.

Allow ThorTurf Base Stabilizer and base material to dry completely and harden before installing ThorTurf footing.

STORAGE & HANDLING

Store containers of liquid material above 45°F. Do not allow containers of liquid material to freeze.

PACKAGING

ThorTurf Base Stabilizer is packaged in 5-gallon pails, 55-gallon drums, and 275-gallon totes.