

Specifications

Synthetic Grass Systems

Vturf ST Synthetic Grass Systems

PART I -- GENERAL

1.00 SCOPE: This is a Manufacturer's Specification on the Vturf ST for safety surface system.

1.01 DESCRIPTION: Provide all labor, materials and equipment necessary to install the Vturf ST System.

1.02 QUALITY ASSURANCE

A. Qualifications

1. VITRITURF shall have marketed this system in the United States for at least five years.

2. The Applicator shall be trained and registered by VITRITURF

B. Design and Detailing

1. General

a. VITRITURF Vturf ST System is utilized wherever a flexible, permeable, synthetic grass surface is required.

2. Substrate and Substrate Systems

a. Check application manual for specific instructions on substrate.

3. Acceptable Substrates for the VITRITURF System include Vitriturf base mat options and compacted stone.

4. Other Substrates shall be approved by VITRITURF prior to application.

5. The Trained Applicator shall verify that the proposed Substrate is acceptable with application of the VITRITURF System.

6. Substrate Systems shall be engineered with regard to structural performance.

7. Follow VITRITURF's published details with specific recommendations for this project.

1.03 SUBMITTALS:

A. Trained Applicator shall submit 2' (610mm) x 4' 1220mm) samples of the Vturf ST System.

1.04 DELIVERY, STORAGE AND HANDLING

A. Deliver all materials in original unopened packages with labels intact. B. Store all materials protected from weather and at temperature not less than 40 F.

1.05 JOB CONDITIONS:

A. Ambient air temperature shall be 32 F at the time of installation of the Vturf ST System. The System may be installed with temperatures below 40. The temperature only affects the system in workability of the materials and the dry time. The lower the temperature, the thicker the viscosity of the binder and the dry time may become delayed.

B. Adjacent materials and the Vturf ST System shall be protected during installation while curing and/or unattended from weather and other damage.

1.06 ALTERNATES AND ALLOWANCES:

A. Systems to be considered equal to those specified herein shall be approved by then Architect, in writing, at least ten working days prior to the project bid date.

PART II -- PRODUCTS

2.01 GENERAL: All components of the Vturf ST System shall be obtained from VITRITURF or its authorized distributors.

No substitutions of, or additions of, other materials shall be submitted without prior written permission from VITRITURF.

2.02 MATERIALS

A. VITRITURF BINDER: A proprietary, elastic Polyurethane Pre-Polymer, MDI based. Extremely low odor, capable of excellent weathering and binding characteristics. Binder shall contain no TDI Monomers.

B. VITRITURF BASE Option: A combination of post consumer granulated rubber. Mixture of these items to be combined with the Vitriturf Binder.

C. Pad Underlayment Option: Pad underlayment system consisting of porous closed cell composite materials.

Thickness and density of panels shall be sufficient so that system meets the requirements of ASTM F 1292.

D. Vturf ST Synthetic Grass Synthetic grass consisting of fibers that are a minimum of 1 inch long. Vturf ST fiber construction consisting of polyethylene monofilament and either texturized monofilament fibers tufted to a 2-layer stabilized woven polypropylene fabric (primary backing), with a secondary backing (stitch binder).

E. Synthetic Grass Infill: Consisting of anti-microbial acrylic coated round silica particles, designed to provide the look feel, and performance of optimally maintained natural grass. EnviroFill™

D. The Vturf ST System shall have been tested for shock attenuation under ASTM-1292.

2.03 MIXING AND PREPARATION: A. Mixture of binder/rubber will be determined by the system which is specified.

PART III-- EXECUTION

3.01 INSPECTION:

A. Prior to application of VITRITURF System the Substrates shall be examined for compliance with the contract documents of VITRITURF specifications. The General Contractor and Architect shall be advised of all discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATION:

1. Vturf GT

a. Install Vitriturf base option or pad underlayment option over approved sub base.

b. Install Vturf ST Synthetic Grass as per installation instructions.

c. Install infill.