

# Specifications

Poured In Place  
Rubber System

## Vitriturf Bondflex-E System

### PART I -- GENERAL

1.00 SCOPE: This is a Manufacturer's Specification on the Bondflex version of the VITRITURF System.

1.01 DESCRIPTION: Provide all labor, materials and equipment necessary to install the VITRITURF 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 Bondflex System is utilized wherever an impact, absorbing cushioned 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 asphalt, concrete and compacted stone.

4. Other Substrates such as grass and hard pan dirt shall be approved by VITRITURF prior to application.

5. The 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 and proper drainage.

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

#### 1.03 SUBMITTALS:

A. Applicator shall submit 4" x 4" samples of the VITRITURF 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 40 F at the time of installation of the VITRITURF 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 VITRITURF 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 the Architect, in writing, at least ten working days prior to the project bid date.

### PART II -- PRODUCTS

2.01 GENERAL: All components of the VITRITURF 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 Wire Mesh: A welded wire mesh meeting the requirements of the Vitriturf Bondflex System.

B. 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.

C. VITRITURF Bondflex Rubber: A combination of post consumer, non-tire shredded rubber with various sizings with non larger than 1/2"

D. VITRITURF EPDM Rubber: A man-made rubber containing minimum of 30% EPDM and having a density of 1.5-0.05.

1. Is available in assorted colors.

2. Is available in three sizes: 1-3mm, 0.5-1.5mm and 0.40-08mm (dust)

E. VITRITURF Intermediate Rubber: A man made rubber containing post consumer rubber with various sizings.

D. The VITRITURF System shall have been tested for ASTM-1292-09, non slip characteristics under ASTM-E303, tested for ease of ignition under and ASTM-D-2859.

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:

##### VITRITURF Bondflex System

1. Place Bondflex Rubber on sub-base at 1" to 10" depending on fall height requirements.

2. Place Bondflex welded wire mesh reinforcement on top of loose laid Bondflex Rubber

3. Mix Intermediate Rubber to VITRITURF Binder in a ratio of 82/18 and apply to 1" thickness with a steel trowel.

4. Mix VITRITURF EPDM to VITRITURF Binder in a ratio of 82/18 and apply to 1/2"