

BID NO. 14G31
SUPPLY & INSTALL RECYCLED, POURED SAFETY SURFACE,
SURFACE MAX OR EQUAL

The intent of these specifications is to provide and install a poured safety surface .

Bidder is to submit a square foot price that is to include the supply and installation of poured safety surface, site preparation, including grading, asphalt, framing, and any other labor and material necessary for a complete and proper installation

The site shall be graded for proper drainage to the satisfaction of the Town. The Town will provide fill, if necessary

The safety surface shall be ½” color of the Town’s choice, and 3 ½” of black, for a total maximum thickness of 4 “. Surface shall be poured over asphalt or RCA, at the Town’s option. Bidder must also frame the area with 6 x 6 MCQ or ACQ framing and anchored with 5/8” rebar.

A minimum 5 year warranty is required on the safety surface.

Successful bidder is to commence work within 5 days of notification from the Town.

Bidder must provide a listing of a minimum of 5 safety surfaces that have been installed in the last three years. Please include the location, project size and cost, and a contact name and phone number. Failure to include this documentation with your bid may be cause for your bid to be rejected.

A bid bond or certified check in the amount of \$5,000 must be submitted with this bid.

A performance bond and material/labor payment bond for 100% of the project amount will also be required for any project over \$50,000.00.

A maintenance bond guaranteeing all work for a one year period from date of acceptance by the Town will also be required.

Retainage in the amount of 5% will be held on each project, until the installation has been completed and accepted to the satisfaction of the Town of Babylon.

Please note this is a prevailing wage project. Certified payrolls must be submitted with each request for payment. Failure to do so will be cause for payment to be withheld. In addition, **OSHA 10 cards** must be provided for each employee for all installations over \$250,000.00.

Certificates of Insurance must be submitted within 10 days of award of this contract. Insurance requirements are enclosed.

This contract shall be for a one year period with the option to renew for two additional one year periods.

All questions regarding this bid must be in writing to the Dept. of General Services via regular U.S. mail, fax or email as follows:

Town of Babylon
Dept. of General Services
200 E. Sunrise Hwy.
Lindenhurst, NY 11757
631-957-3025
631-957-3052 fax
email: dlibby@townofbabylon.com

VITRITURF PLAYGROUND SYSTEM SPECIFICATIONS

Whenever a manufacturer is referenced in this spec, it is to mean manufacturer or equal.

PART I -- GENERAL

1.00 SCOPE: This is a Manufacturer's Specification on the Playground 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 Manufacturer shall be the Applicator and provide a single source warranty for materials and labor.

B. Design and Detailing

1. General
 - a. VITRITURF Playground System is utilized wherever an impact, absorbing cushioned surface is required. Playground areas should meet criteria set by the CPSC.
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 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 6" x 6" (1220mm) 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 (4 C).

1.05 JOB CONDITIONS:

A. Ambient air temperature should be 32 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. 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 Primer: A single component moisture cured polyurethane primer.

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 Black SBR: Shall be recycled SBR Rubber, shall be cryogenically processed, be chopped to 1-3mm or 3/8" shredded granules and contain less than 4% dust and shall be packed in suitable bags to protect SBR from moisture.

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 and available in three sizes: 1-3mm, 0.5-1.5mm and 0.40-0.8mm (dust)

E. VITRITURF Line Markers: A two component polyurethane utilized to stripe lines or demarcate specific areas.

F. The VITRITURF Playground System shall have been tested for shock attenuation under ASTM-F-1292 and HIC. Tested for non slip characteristics under ASTM-E303, ease of ignition under BS-5696 and ASTM-D-2859 for fire resistance under UL94.

2.03 MIXING AND PREPARATION: A. Mixture of binder/EPDM or binder/SBR 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 Playground System

1. VITRITURF Primer

Apply primer with a short nap roller at a rate of 300 sq. ft. per gallon.

2. VITRITURF SBR Base Mat

a. Mix SBR to VITRITURF Binder in a ratio of 82/18 and spread evenly at specified thickness. Compact and allow to dry for 24 hours.

3. VITRITURF Primer

Apply VITRITURF Primer at the rate of 300 so. ft. per gallon.

4. VITRITURF Wearing Course

a. Mix EPDM to VITRITURF Binder in a ratio of 82/18

b. Apply with a steel trowel

1. For compacting: Lubricate trowel with diesel fuel or soapy water.

2. For finishing: Spray a light mist of water on surface and trowel smooth. Apply at a minimum of 3/8".