

No Fault Rubber Mulch

Product Specification

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LOOSE FILL RUBBER MULCH SURFACING FOR PLAYGROUNDS

PART 1 – GENERAL

1.01 WORK INCLUDED

This work includes furnishing and installing No Fault Rubber Mulch as a loose fill for playground safety surfacing.

1.02 DESCRIPTION OF SYSTEM & GENERAL CONDITIONS

No Fault Rubber Mulch Safety Surface shall be installed over the specified base and composed of 100% post consumer recycled rubber shredded or nuggets. No Fault Rubber Mulch Safety Surface shall comply with all requirements set forth in the Americans with Disabilities Act (ADA) and the American Standard Testing Methods (ASTM) and Consumer Products Safety Commission (CPSC) for Playground Safety Surfaces.

1.03 QUALITY ASSURANCE

A. Test Results

1. Impact Attenuation - ASTM F 1292: Surfacing within playground equipment use zones shall meet or exceed the performance requirements of CPSC and ASTM F 1292 so that the surface yield both a peak deceleration of no more than 200 g's and a Head Injury Criteria (HIC) value of no more than 1,000 for a head-first fall from the highest accessible portion of play equipment being installed as shown on drawings.
2. Accessibility of Surface Systems – ASTM F1951: All playground surfacing products must pass testing to ensure wheelchair access under and around playground equipment as required by the American Disabilities Act.
3. Warranty - Surfacing shall be guaranteed against color fading for a period of no less than one (1) year or as specified and agreed upon per contract.
4. IPEMA Certification Required: "In the Interest of playground safety, the International Play Equipment Manufacturers Association (IPEMA) provides a Third Party Certification Service whereby a designated independent laboratory, TÜV SÜD America Inc., (TÜV), validates a surfacing manufacturer's certification of conformance to ASTM F1292, Standard Specification for Impact Attenuation Under and Around Playground Equipment, and for an engineered wood fiber manufacturer its certification of conformance, also to ASTM F2075, Standard Specification for Engineered Wood Fiber for use as a Playground Safety Surface Under and Around Playground Equipment, and Section 4.4, for testing Sieve Analysis and Section 4.6, for testing the presence of Tramp Metal. A list of current validated products, their thickness and critical height may be viewed at www.ipema.org."

1.04 SUBMITTALS

- A. One original hard copy of the submittal package will be supplied with additional copies on individual CD's. Upon request only hard copies shall be supplied.
- B. Manufacturer's descriptive Material Safety Data Sheets.
- C. Manufacturer's Installation and Maintenance Guidelines
- D. Test results to substantiate that the product meets or exceeds all ASTM & ADA requirements for each standard listed in Section 1.03 Quality Assurance. Test must be performed and certified by an independent laboratory.
- E. Upon request, a sample specimen of safety surface proposed for this project.

1.05 DELIVERY, STORAGE and HANDLING:

Materials and equipment shall be delivered and/or stored in accordance with the manufacturer's recommendations.

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1.06 WARRANTY:

Surfacing shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship and material for a period of no less than one (1) year or as specified and agreed upon per contract.

PART 2 – PRODUCTS

No Fault Rubber Mulch shall consist of a 100% post consumer recycled rubber shredded or nugget material derived from post consumer recycled tires utilized for playground safety surface system meeting requirements of this specification and shall be provided by No Fault Sport Group, LLC (866-637-7678 www.nofault.com).

NOTE – Other products will be allowed only if prior approved as per Section 2.02 Product Substitutions & Approved Equals

2.01 MATERIALS

A. Rubber Mulch

1. 100% post consumer recycled rubber shredded or nugget material derived from recycled tires.
2. Loose material must be 99% wire free and shall not have unwanted characteristics of whole tire recycling, such as steel or fabric.
3. Only Polyurethane color coatings should be used to assure maximum color bonding and longevity.
4. Rubber shall be organically color blended and tested for color retention.
5. Colors: Standard Color chosen by the architect or owner during the submittal process, unless otherwise stated in specification or on plans.
6. Size
 - a) Shredded Rubber – particles will range in size from ½” to 2”
 - b) Nugget Rubber – particles will range in size from ¾” to 1”

2.02 PRODUCT SUBSTITUTIONS & APPROVED EQUALS

- A. All product substitutions must be submitted for preapproval at least fourteen (14) days prior to bid opening date. A complete submittal package, as outlined in Section 1.03 Submittals, must be provided before a substitute product will be considered for preapproval. If the product submitted for preapproval cannot meet all requirements of the submittal package, it will not be considered.
- B. Once all products submitted for substitution have been reviewed, a list of the approved substitutes will be circulated and made available to bidders.

PART 3 – EXECUTION

3.01 SUB-BASE REQUIRMENTS

- A. Owner or owner’s representative shall provide sub-surface in accordance with Manufacturer’s recommendation for the project location and application.
- B. Installation area should be free of other surfacing materials, such as sod, wood chips, or gravel and pre-treated with an industrial weed/sod killer.
- C. A perimeter of un-treated landscape timbers or solid rubber boarders is suggested. It is not recommended to use pressure-treated lumber due to the leaking of arsenic from the wood. For increased safety and a customized look, place the boarders at ground level so children will not trip while at play.
- D. Use of a heavy duty landscape fabric barrier under the rubber mulch is recommended to prevent the growth of weeds and reduce maintenance. Unlike plastic sheeting, a fabric barrier will allow rain water to drain away quickly and provides a barrier between the soil & the rubber. 10” landscape stakes should be used to secure the fabric barrier to the ground.
- E. **Installation area should exhibit positive drainage.** For areas that hold water or have poor drainage conditions, it is recommended to install a drain tile system with a 3” gravel/rock base.

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3.03 INSTALLATION

- A. No Fault Rubber Mulch Safety Surface System can be installed by owner or contractor in accordance with Manufacturer's written installation instructions.
- B. No Fault Rubber Mulch Safety Surface System shall be installed to the thickness indicated on the drawings and shall meet the safety requirements as specified by play equipment manufacturer. Minimum thickness on the drawings is based on the performance standards of No Fault Sport Group / No Fault Rubber Mulch System.
- C. Pour and rake the rubber mulch into place. It is suggested to use paint or a permanent marker to place lines at the applicable height from the soil on the playground equipment posts to maintain the correct depth of rubber.

**FOR INDIVIDUAL PROJECT SPECIFICATIONS OR OTHER INFORMATION
INCLUDING FALL HEIGHT REQUIREMENTS PLEASE CONTACT
NO FAULT SPORT GROUP, LLC 866-637-7678 WWW.NOFAULT.COM**