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SPECIFICATION DOCUMENT

Product: JazzyPlay

Part 1: General

Scope: Supply and installation of JazzyPlay pebbles (Thermoplastic block co-polymer) chemically bonded with Jazzy Play two-part, moisture-cured aliphatic Polyurethane.

Description: Installation of the new surface shall be completed by a preferred installer of Jazzy Play. Manufacturer's detailed installation procedures shall be submitted to the architect and made part of the bid specifications.

Site conditions: Temperature and Relative Humidity should be within JazzyPlay's specifications throughout the installation and curing process. Substrate must be fully cured and clean of grime, dirt and other coatings. Surface profile should at least be light to medium broom finish.

Storage and Handling: Materials shall be stored in accordance with the Manufacturer's recommendation.

Warranty: Surfacing shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship and material for a period no less than two (2) years or as specified and agreed upon per contract.

Part 2: Submittals

- 2.1. Manufacturer's Product Literature and Specifications
- 2.2. Colour Samples for verification and approval
- 2.3. Written Manufacturer's Warranty for playgrounds.
- 2.4. If requested, provide a product liability insurance certificate
- 2.5. MSDS and TDS for items in "Products."
- 2.6. Should there be critical fall heights, impact attenuation test results shall be submitted to the requiring agency prior to installation of the surface. Impact attenuation results must comply



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with DIN EN 1177:2018 Impact attenuating playground surfacing - Methods of test for determination of impact attenuation.

Part 3: Products

3.1. Jazzy Play Surfacing System for Playgrounds

3.2. Materials:

3.2.1. Top Layer: Jazzy Play Thermoplastic block co-polymer pebbles chemically bonded with Jazzy Play's two -part, moisture cured UV-Resistant aliphatic Polyurethane Binder.

Colours shall be selected from the drawings, submitted for approval, and mixed onsite to the ratios in the sample. Jazzy Play particles are not to be mixed with any other materials such as rubber (CSBR, EPDM or TPV)

3.2.2. Impact Layer: The impact layer is to be made of rubber and bonded with Jazzy Play's single-part Aromatic Binder

3.3. Equal Materials: Any equal product must be a similar Thermoplastic block co-polymer pebble, not SBR, CSBR, EPDM or TPV. Must also include a UV Resistant aliphatic Polyurethane Binder and 100% colour throughout.

3.4. Finish: Pebble grain with particle size of 2mm +/- 0.05mm and hardness: 65 Shore A.

3.5. Colour: Selected from Manufacturer's colour chart by owner or architect.

Part 4: Surface Preparation

4.1. New or Existing Concrete: Concrete slabs must be allowed to cure for at least 28 days and comply with the recommended moisture content – (humidity)<3%.

New concrete should be light to medium broom finish. The recommended profile may be achieved by acid etching. Allow for adequate drainage with at least 2%-4% fall to drain.

If installing over aged concrete – Prepare the surface by shot blasting, diamond grinding or mechanical scarifying to leave a medium coarse surface, follow by high-pressure washing, to leave a clean surface, free of any contaminants such as oil, grease and dirt. Ensure surface is dry before proceeding.

- 4.2. **Asphalt Preparation:** New asphalt must be allowed to cure for at least 15 days. Use a degreasing agent to remove any surface oils. Power wash any contaminants off the surface. Allow at least 24 hours for the surface to dry before commencing with installation.
- 4.3. **Falls to Drain:** Concrete base should have a minimum fall for drainage of 2% - 4%.
- 4.4. **Drainage:** Concrete or Asphalt base must have adequate drains to prevent pooling of water.
- 4.5. **Compacted Base Course:** Road base source and composition must be an approved road base (compaction of 97%). Depth and requirements may vary for individual sites and would be subject to modification with additional drainage etc. A minimum of 100mm is advised however this is only a recommendation and the contractor must ensure it meets the site requirements for drainage, stability and durability. It is the responsibility of the installation contractor to ensure all base works are completed correctly and to ensure they comply. Please note that it is not recommended to install Jazzy Play directly over road base. A layer at a minimum of 20mm of rubber should be applied at a ratio of 15% Jazzy Play Aromatic Binder by weight to ensure a smooth finish before the application of Jazzy Play colour layer.
- 4.6. **Rubber Base Layer:** The rubber attenuation layer must be applied at the appropriate thickness to achieve desired fall height requirements as specified by the playground equipment manufacturer. The recommended base material should be used with a high-quality aromatic binder like Jazzy Play single-part Aromatic Binder to achieve necessary compaction. The ratio of binder to rubber should be at least 15% by weight

Part 5: Installation

- 5.1. **Thickness:** Conformity to Manufacturer's drawings and these specification requirements shall be followed during installation. Total surface thickness will vary based on the thickness of the impact layer. Subsequently, the thickness of the impact layer will be installed according to the fall height(s) of the play equipment. These requirements must be verified in the field prior to installation of the impact layer.
- 5.2. **Impact Attenuation Layer:** The impact layer is to be made of suitable SBR Rubber. The manufacturer's minimum depth shall be installed as required based on the fall height(s) of the play equipment and should meet the test results of the finished surface as required within this specification.
- 5.3. **Top Layer:** The overall thickness of the top layer shall be no less than 10mm and be composed of Jazzy Play's Thermoplastic block co-polymer pebbles chemically bonded with Jazzy Play's two-part, moisture cured UV Resistant aliphatic Polyurethane Binder.



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Pre-mix Jazzy Play pebbles. And mix two part aliphatic binder separately. Pour the mixed aliphatic Polyurethane Binder into pre-mixed pebbles and mix for approximately 2 minutes.

Trowel Jazzy Play to desired thickness ensuring surface is smooth and adequately compacted. A proper depth gauge should always be onsite to frequently measure the trowelled Jazzy Play to the appropriate thickness. Allow the surface to cure for 72 hours.

5.4. Edge Detail: Refer to Jazzy Play Drawings regarding edge details.

Part 6: Cleaning

6.1. The contractor should make sure that excess materials are removed and the job site is left clean

6.2. The contractor shall instruct the owner's personnel on proper cleaning and maintenance of JazzyPlay Surfacing Systems. JazzyPlay will provide client/contractor with a copy of the JazzyPlay Cleaning and Maintenance Guide upon completion.