

# **ARCHITECTURAL SPECIFICATION: WATERPARKS (POURED-IN-PLACE)**

## **GENERAL REQUIREMENTS**

Fortco Limited "Fortkote" (Poured-in-Place) is a seamless aquatic rubber play surface consisting of recycled rubber tire granules with a top layer of UV-stable E.P.D.M. rubber granules combined together with a highly sophisticated polyurethane binder. Designed and installed exclusively by our Company to meet and surpass all current CSA standards.

## **TESTING**

"Fortkote" has been tested in accordance with ASTM F-1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment. "Fortkote" has been tested according to ASTM F-1292, providing a GMAX of less than 200 and a HIC of less than 1000. "Fortkote" (Poured-in-Place) has been tested by CSA laboratories to meet all CAN/CSA-Z614 Standards on Children's Playspaces and Equipment - a National standard of Canada.

## **QUALITY ASSURANCE**

- 1.0 Installer shall have at least five (5) years proven experience in the industry and approved by product manufacturer.
- 1.1 Submit 300mm x 300mm product samples in specific color and specified thickness.
- 1.2 "Fortkote" safety surface will only be installed when temperatures exceed 5 Degrees C. Installation during dry weather conditions is recommended.
- 1.3 "Fortkote" will require a minimum of 24-48 hours for curing period.
- 1.4 "Fortkote" installed by Fortco Limited of Oakville, Ontario. Tel: (416)736-3455. Fax: (905)825-5887. Website address: [www.fortco.ca](http://www.fortco.ca). Email: [sandro.forte@sympatico.ca](mailto:sandro.forte@sympatico.ca).

## **COLOURS**

STANDARD COLOURS: Terra Cotta, Forest Green, Black.

FORTKOTE COLOURS: Light Blue, Dark Blue, Forest Green, Emerald Green, Terra Cotta, Brown, Beige, Yellow, Orange, Purple, Charcoal, Light Grey, Teal, Egg Shell (U.V. Stable EPDM).

MULTI-SPECKLE: COMBINATION OF THE ABOVE FORTKOTE COLOURS AT A 10%, 20%, 50%, RATIO ENABLING CLIENT TO DESIGN THEIR OWN AQUATIC AREA COLOUR. CUSTOM LOGO AND GRAPHICS AVAILABLE.

## **INSTALLATION - BASE PREPARATION**

- 2.0 Fortco Limited "Fortkote" can be installed on granular, asphalt or concrete surfaces.
- 2.1 When using a granular base, a minimum of 25mm to 100mm depth is required, compacted to a 95% proctor density. A water percolation rate of 60 liters/M<sup>2</sup>/hour. Should the rate be less, a french drain must be installed to provide adequate water flow. A geotextile between the granular base and surface is recommended (terrafix 200R).
- 2.2 Granular, asphalt or concrete surfaces require a slope of no less than 2% to drain, acknowledging that "**Fortkote**" is a water permeable surface.
- 2.3 Base can be sloped up to 30 degrees within the installation area.

## **THICKNESS OF POURED-IN-PLACE**

- 3.0 "Fortkote" Aquatic Rubber Safety Surface requires a two-part procedure for application.
- 3.1 "Fortkote" First lift application will be determined by the current CSA Standards for playground surfacing. Thickness of the rubber safety surface can range from 30mm to 100mm (SBR rubber), meeting CSA and ASTM F-1292 standards.
- 3.2 "Fortkote" Second lift to be applied at a minimum thickness of 5-8mm, using UV-stable E.P.D.M. rubber granules ranging from 2.5mm to 3.5mm in size.
- 3.3 Polyurethane binder shall be mixed throughout the entire thickness.
- 3.4 Bevel is installed at the perimeter of the installation running from the thickness of the surface down to the base. The outside line of the bevel must be clear and follow the designed edge of the installation.

## **IMPORTANT NOTICE**

It should be noted that EPDM coloured surface will appear to have a yellow tinge to the finish after installation. This is caused by the reaction of the MDI Urethane resin coating on the rubber granules when in contact with ultraviolet light. This is a short term reaction until the natural effects of fading occur as the curing process proceeds. This process of "burning back" to the natural colour occurs more quickly with outside surfaces, taking approximately 14 days in direct sunlight.