

SAFETY AQUATIC FLOORING



swimming pool & splash pad



Moodie
Outdoor Products

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Our BALLGOM® systems of thermoplastic balls and polyurethane binder have been specially developed for resistance and longevity of safety floor in the aquatic environment.

The need for resilient flooring was growing in the area of aquatic playgrounds and swimming pool environments.

The BALLGOM process has been developed in the last 2 years in a European laboratory. Numerous tests have made it possible to acquire the incredible capacities of these coatings. The size of the thermoplastic balls, the fixing of the pigments up to the composition of the glues coming into the process, nothing is left to chance in the development of our swimming pool complex.



SBR treatment for health

The chemical structure of SBR lends itself gas phase release of benzene molecules or radicals, thus facilitating the PAH(Polycyclic Aromatic Hydrocarbon) production route. We therefore carry out a coating treatment on our SBR granules which avoid any emanations and contaminations by molecules potentially carcinogenic.

Chlorine resistance

Thermoplastic balls and resins are designed so that their structure can withstand chemical cleaning agents such as chlorine, salts, oxygen ... Their properties allow to remain stable even during shock treatments.

UV resistance

The fixation between them using an aliphatic binder resin specially adapted to aquatic and sunny spaces, this capacity makes it possible to obtain vibrant and stable ground colors over several years.

Resistance to bacteria and mosses

Many coatings are rapidly contaminated with strains of bacteria that attack the soil and blacken it. Once this contamination has begun it is impossible to recover the soil as it was at the beginning. That's why all our resins contain antimicrobial agents (bactericidal) that will prevent strains from attaching and then spreading.



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A complete range of products



Ballgom Primer Aqua
Can of 20kg
 $\pm 0,200g / m^2$

Ballgom Aqua
Size : $\pm 1mm$
Density : $7,5 kg/m^3$

Ballgom Aqua Binder
Can of 20kg
Proportion : 18%

Sealer Ballgom
A : 10kg B : 2,5kg
Silica : Can 5kg

Outstanding Technical Performance

Bactericidal B+ : CSTB Test Report 2018062 - Characterization of the behavior of a polymer-based flexible floor covering against bacterial contamination.

Mechanical resistance (Abrasion, Elongation, Punching) : Mechanical characterization after accelerated aging in chlorine and derivatives according to ASTM D6284-17 by AITEX.

Non-slip product / Anti-slip control

ENV 12633 : 2003 : Method for determining the value of slip resistance of coatings The BALLGOM material gives a $R_d > 45$ in all the tests carried out, so it reaches the class 3.

Safety : By using a E-SBR in sub-layer and depending on the thickness, the BALLGOM system produces grounds in compliance with the EN 1177 Playground standard.

CSTB
le futur en construction

aitex
textile research institute

Synthelast, s.a.

DIECO



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Beige B07 colour



Brown B17 colour



Blue B05 colour



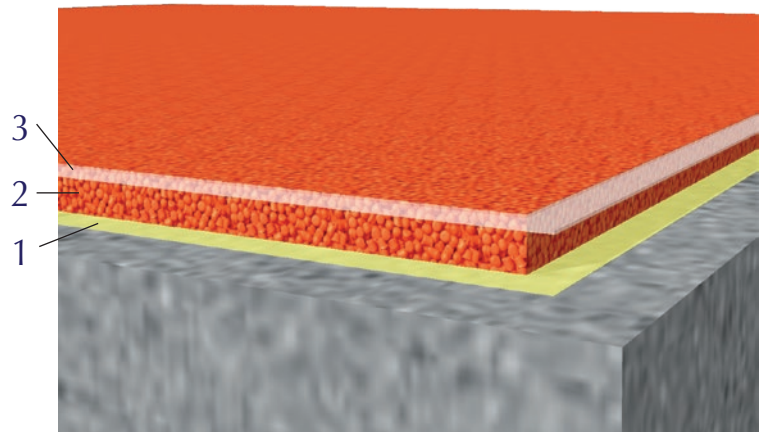
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Pool Beach & Water Park

An integral constructive solution

On concrete

- 1 • Ballgom primer on concrete
- 2 • BALLGOM layer 10mm with binder A6
- 3 • Ballgom Pore Mouth filler - Finishing Coat + anti-slip silica



Characteristics BALLGOM AQUA coating 10/12 mm thick

- Thickness of coating: 10mm \pm 2mm
- Density: 10 kg / m² (granules + resins)
- Hardness: 65 to 70 Shore A
- Elongation rupture: 700% \pm 10%
- Controlled anti-icing *
- Chlorine Resistance, Cleaning Agents .. *
- Resistance to Bacteria *

* For report, please contact us we send them by email

Installation on concrete slab

- Apply the BallgomAqua primer - about 250g / m²
- The mixture of different materials is done using a horizontal mixer, suitable containers allow to correctly dose the different resins.

Spread the mixture and smooth with a towel steel or a roller to obtain a closure between the grains. BALLGOM: about 7,5Kg / m² for 1 cm thick BALLGOM resin: 18% or 1,5Kg / m²

- The addition of a finishing layer makes it possible to waterproof and accentuate the anti-slip power. Sealer pass: 0.500kg / m²





liner EPDM
+ sublayer of ESBR



6

Add Ballgom 10mm



Color Sand Effect

Sealer applied on Ballgom



READY TO USE

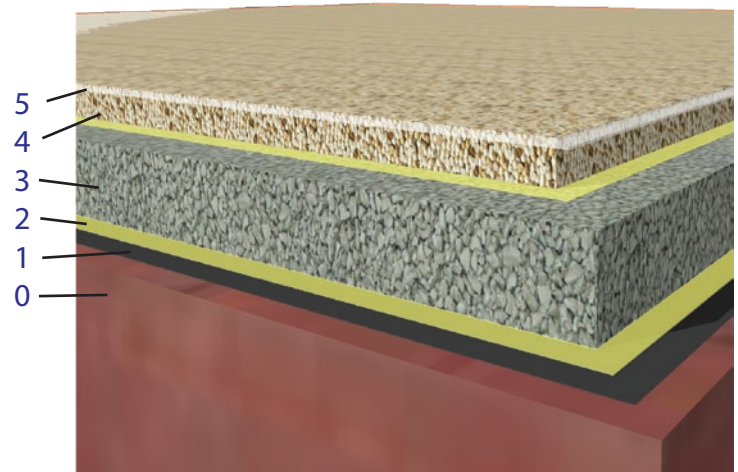


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Lagoon Basin & Natural Pool

A global constructive solution on road base

- 0• Road Base
- 1• Geomembrane EPDM - 1,2mm
- 2• Ballgom primer on membrane
- 3• Ballgom E-SBR - PAH Treated
25mm
- 4• BALLGOM layer 10mm - SAND
Effect Mix with binder A6
- 5• Ballgom Pore Mouth filler -
Finishing Coat + anti-slip silica



Installation process as part of a lagoon basin

- Compact basin & compact with Flat Bed Compactor with 50mm Fine Road base
- Apply a Ballgom aqua primer to the EPDM geomembrane. - Antibacterial primer to spread on the cover to degrease and accentuate the fixing of the coating: about 0.2kg / m²
- It takes on average 25mm of E-SBR underlay size 1/4 mm. This average thickness will cover the folds of the geomembrane - E-SBR Encapsulated PAH protect * + binder A6 on 25mm is about 15kg / m² + 12% of binder. * Untreated SBR are hazardous to health and emit odors. Must not be substituted
- Once the E-SBR underlay has been laid and dried, a 1 cm layer of BALLGOM Color (thermoplastic micro-ball) must be applied. BALLGOM: approximately 7,5Kg / m² for 1 cm thick BALLGOM Aqua binder A6: 18% or 1,5Kg / m² - Drying: 12h
- Apply a sealer on the surface that will make the surface watertight and thus prevent stagnant water from permeating the soil (mosses, fungi, bacteria). Pore mouth 1 pass: 0.500kg / m²



Premium Quality colors.

The advanced pigment integration technology allows the realization of customized color at RAL. We can thus obtain original effects such as a golden color, silver, luminescent, brilliant, transparent.

Its size also makes it possible to create very subtle colors and blends, associating colors that are close or more distant in various proportions, resulting in very aesthetic renderings close to the most beautiful sandy beaches in the world.



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