

FLOORGUM TYRE MONO

Synthetic multi-purpose single component carriageable coating

Single-component, water-based, acrylic coloured topcoat for multi-purpose synthetic road surfaces. *Floorgum Tyre Mono* is formulated with innovative resins to achieve a thin, easy-to-apply finish with anti-slip properties and high abrasion resistance. Suitable for indoor or outdoor use. It can be used as a protective coating in combination with liquid waterproofing agents, making the surface driveable, or as an alternative to traditional asphalt or other driveable surfaces. The product is characterised by excellent resistance to wear, weathering, UV rays and contact with substances such as oils, fuels and smog.

ADVANTAGES

- Easy and quick application;
- Highly resistant to weather, UV and salt air;
- Does not yellow;
- Carriageable;
- Can also be applied in winter (up to +5°C);
- Can be applied to complement synthetic resin-based waterproofing systems.

YIELD

1,0 kg/m² for 2 coats (0.02 gal/ft²).
1 gallon covers 52 ft² (2 coats application).

COLOUR

Anthracite.

Upon request it is possible to realize customised colours.

PACKAGING

20 kg plastic bucket.
Pallet: 48 buckets (960 kg).

FIELDS OF APPLICATION

The product is suitable for coating driveway areas such as garages, car parks, forecourts, concrete floors. It can be used as a protective coating in combination with liquid waterproofing agents (*WATstop*), making the surface carriageable, or as an alternative to traditional asphalt surfaces or other carriageable coatings. *Floorgum Tyre Mono* can be applied to suitably

primed concrete, or to asphalt surfaces using *SBS-bond* primer. It is used both indoors and outdoors.

STORAGE

The product must be stored in its original tightly closed containers in a well-ventilated place, away from sunlight and frost, at temperatures between +5°C and +35°C. Storage time 12 months.

PREPARATION OF THE SUPPORT

The substrate must be completely hardened, dry and sufficiently resistant. In the case of a newly made cementitious substrate, it must be sufficiently cured and have completed adequate shrinkage. The surface must be thoroughly clean, well consolidated, without crumbling or loose parts and perfectly even. Dust, grease and oil must be removed. If the surface is very smooth, it is advisable to sand it or apply *WATstop* (yield 1.0 kg/m² - see technical data sheet). The sub-layer temperature must be between +5°C and +35°C. In case of application on substrates affected by rising damp, provide an adequate vapour barrier (see *WATstop* technical data sheet).

MIXING

The product is single-component, ready-to-use. If necessary, dilute with up to 10% water. Before applying, mix the mixture with drill mixer.



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The water specified is indicative. It is possible to obtain a product with a more or less fluid consistency depending on the application to be made. Never add foreign components to the mixture.

APPLICATION ON ASPHALT

1. Apply SBS-bond primer (yield 0.1 kg/m², see technical data sheet).
2. Apply *Floorgum Tyre Mono* by roller, airless or spatula in two coats in the correct yield. For a better result and a more homogeneous coating it is recommended to cross the layers.

APPLICATION ON CONCRETE

1. Cuts made for joints should be sealed with *Diaseal Strong* (see technical data sheet).
2. Apply one coat of *Vapostop* primer (see technical data sheet)
3. Apply a first coat of *WATstop* (see technical data sheet), insert *Polites TNT* geotextile (see technical data sheet) and apply a second coat of *WATstop* for a total yield of 1,0 kg/m² in two coats.
4. After sealing the joints and treating the substrate, waterproof the vertical lapels with *Safety Joint Roll* (see technical data sheet).
5. When completely dry, apply *Floorgum Tyre Mono* by roller, airless, or waterless in two coats in the correct yield.

DRYING TIMES

At a temperature of 23°C and 50% relative humidity, the product dries in 4 hours, is walkable after 12 hours and can be driven over with vehicles after 4 days.

- Drying times are influenced by ambient relative humidity and temperature, and can vary significantly.

SUGGESTIONS

- Do not apply at ambient and substrate temperatures below +5°C and above +30°C.
- During the summer season apply the product during the cooler hours of the day, out of the sun.
- Do not apply with imminent danger of rain or frost, in conditions of heavy fog or with relative humidity higher than 70%.

CLEANING

The equipment used can be washed with water before the product hardens.

SAFETY

During handling, use personal protective equipment and follow the safety data sheet for the product.

COATINGS – acrylic

The indications and prescriptions given, while representing our best experience and knowledge, are to be considered indicative and must be confirmed by exhaustive practical applications. Diasen does not know the specifics of the application and even less the determining characteristics of the application support. Therefore, before using the product, the applicator must in any case carry out preliminary tests to verify its perfect suitability for the intended use and, in any case, assume all responsibility that may arise from its use. In the event of any uncertainties or doubts, contact the company's technical office before starting work, it being understood that this support is merely an aid for the applicator, who must in any case guarantee that he/she possesses adequate skills and experience for laying the product and for identifying the most suitable solutions. Always refer to the latest updated version of the technical data sheet, available at www.diasen.com, which cancels and replaces all others.

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* These data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.

Technical Data *		
Features		Unit
Yield	1,0 kg/m ²	in 2 coats
	0.02 gal/ft ²	
Aspect	semi dense	-
Colour	anthracite	-
Dilution	Add max 10% water	-
Waiting time between the 1 st and 2 nd coat T=23°C; U.R. 50%	4	hours
Application temperature	+5 / +35	°C
	+34 / +86	°F
Maximum Humidity	70%	-
Drying time (T=23°C; U.R. 50%)	4	hours
Walkable after	12	hours
Access to vehicles after	4	days
Storage	12	months
Packaging	20 kg plastic bucket	kg

** 1000 hours of Weathering Test are compared to 5 years. This equivalency is merely indicative and may vary according to weather conditions of the place of use of the product.

Final performances		Unit	Regulation	Result
Abrasion Taber test (wet) 1000 cycles	1,075% of eroded material	-	UNI 10559	-
Abrasion Taber test (dry) 1000 cycles	0,1381% of eroded material	-	UNI 10559	-
Adhesion test – direct traction	0,56	N/mm ²	UNI EN 1542	Break type A/B
Fire resistance	class B – s2, d0	-	UNI EN 13501-1	-
Wet Scrub Test (1000 cycles according to ISO)	1000 cycles without any abrasion / damage	cycles	ASTM D2486 ASTM D4213-96	excellent
Accelerated <i>Weathering test</i> **	1000 hours (> 5 years*)	hours/ years	UNI EN ISO 11507	-

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Adhesion over waterproofing system <i>Acriflex Winter</i> (Adhesion Tester Pull Off)	> 7	MPa	ISO 4624	-
Viscosity (Brookfield viscometer)	150000-160000 mPas (s=0,5; v=2,5 rpm)	mPas	-	-



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