

COATINGS - acrylic

# FLOORGUM TYRE MONO

*One component multipurpose synthetic coating suitable for vehicles*

Monocomponent acrylic coloured paint, water based for synthetic surfaces for vehicle transit. Floorgum Tyre Mono is formulated with innovative resins to obtain a low thickness coat, easy to apply, with nonslip properties and with high abrasion resistance. Suitable both for internal and external environments. It can be used as a protective coating if combined to the liquid waterproofing products, making the surface suitable for vehicle transit; or as an alternative to the traditional asphalt surfaces or some other similar coatings. The product is characterized by an excellent resistance against wearing, weathering agents, UV rays, water stagnation. Suitable for direct contact with substances such as oils, fuels and smog.

## ADVANTAGES

- Easy and quick application
- High resistance to weathering, UV rays and salts
- Suitable for vehicles
- It does not turn yellow
- It can be applied even during winter time (up to +5°C - +41°F)
- It can be applied to finish waterproofing system based on synthetic resins
- Solvent free

## YIELD

1.0 kg/m<sup>2</sup> for 2 coats (0.02 gal/ft<sup>2</sup>).  
1 gallon covers 50 ft<sup>2</sup> (2 coats application).

## COLOUR

Grey, red, green.  
Upon request it is possible to realize customised colours.

## PACKAGING

25 kg (5.16 gal) plastic bucket.  
Pallet: 48 buckets (1200 kg – 247.66 gal).



Diasen srl

Zona Industriale Berbentina, 5 Sassoferrato ANCONA  
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UNI EN 1504-2

Products and systems for the protection and restoration  
of concrete structures –  
Part 2 : Concrete surface's protection system

Adhesion test – direct traction: 0,56 N/mm<sup>2</sup>,  
break type A/B  
Fire resistance: classe B – s2,d0

## APPLICATION FIELD

The product is suitable to coat driveway areas subjected even to heavy vehicle transit such as:

- garage;
- parking areas;
- squares;
- concrete floorings.

It can be used as protection coating in combination with liquid waterproofing, making the surface suitable to vehicle transit or as an alternative to traditional asphalt surfaces or other driveway coatings.

*Floorgum Tyre Mono* can be applied over primed concrete or directly over asphalt support.

It can be used both inside and outside.

## PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts and perfectly levelled.
- Remove dust, greases and oils.
- If the surface is well levigated it is recommended to sandpaper it and thus remove all dust and apply *WATstop* as primer (coverage 0,3 kg/m<sup>2</sup> – see technical data sheet).
- Substrate temperature must be between +5°C and +35°C (+41 /+95 °F).
- In case of application over substrate with rising damp problems, realise an appropriate vapour barrier (see *WATstop* technical data sheet).



For application videos,  
product page, safety data  
sheet and other information.

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Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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## Technical Data

Features		Units
Yield	1,0 kg/m <sup>2</sup> - 0.02 gal/ft <sup>2</sup> for 2 coats	kg/m <sup>2</sup> gal/ft <sup>2</sup>
Aspect	semidense	-
Colour	Grey, red, green	-
Dilution	max 10% of water	-
Waiting time between 1st and 2nd coat (T=20°C; R.H. 40%)	4	hours
Application temperature	+5 /+35 +41 /+95	°C °F
Max humidity	70%	-
Drying time (T=20°C; R.H. 40%)	4	hours
Walkable after	12	hours
Trafficable after	4	days
Storage	12 months in original containers and in dry place	months
Packaging	secchio in plastica da 25 kg (5.16 gal)	Kg gal

Final performances		Units	Regulations	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 <sup>2</sup>	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 Weathering test	1000 hours (> 5 years*)	Hours/ years	UNI EN ISO 11507	-
Adhesion over waterproofing system Acriflex Winter (Adhesion Tester Pull Off)	> 7	MPa	ISO 4624	-
Viscosity (Brookfield viscometer)	150000-160000 mPas (s=0,5; v=2,5 rpm)	mPas	-	-

\*840 hours of weathering test corresponds to approximately 5 years. This correspondence is only approximate and may vary considerably depending on the climatic conditions of the place of use of the product.

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

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## STORAGE

Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C and +35°C(+41 /+95 °F).

Storage time: 12 months.

## MIXING

The product is one component, ready to use. Dilute with at max of 10% of water. Before application, mix the product for 3-5 minutes with drill mixer at low speed. Before proceeding with the drafting of the product, mix with mixing drill.

The water indicated on the packaging is indicative. It is possible to obtain more or less fluid mixture depending on the application to do. Do not add antifrost product, cement or aggregates.

## APPLICATION

1. With humidity problems, apply *WATstop* as steam barrier (yield: 0,6 kg/m<sup>2</sup>, see technical data sheet).
2. Over smooth concrete support or over already paved surfaces, apply *WATstop* as primer (coverage 0,3 kg/m<sup>2</sup> – see technical data sheet) and wait until it is completely dry.
3. Apply *Floorgum Tyre Mono* by roll or airless in two coats with the right yield. For a best result and a more homogeneous coat it is advisable to cross the two coats.

## APPLICATION OVER DIASEN WATERPROOFING SYSTEM

1. Cuts realized for joints must be sealed using *Diaseal Strong* (see technical data sheet).
2. If there are humidity problems apply *WATstop* as steam barrier (yield: 0,6 kg/m<sup>2</sup>).
3. Over smooth concrete support or over already paved surfaces, apply *WATstop* as primer (coverage 0,3 kg/m<sup>2</sup> – see technical data sheet) and wait until it is completely dry.
4. Once the support has been treated and joints are sealed (see point 2 and 3), waterproof vertical joints with *Safety Joint Roll* (see technical data sheets).

5. After the treatment of vertical and structural joints, accurately clean the surface and apply *Polites* (only in abbination with *Acriflex Winter*) net to obtain a 3 cm of overlapping over joints. *Polites* net must not present bubbles

6. Apply a first coat of the waterproofing product (*Acriflex Winter* or *Acriflex Fybro*) by brush, airless or water squeegee. In case of rain over non perfectly dry product verify the suitability of the successive layer.

7. Once the first coat is dry, apply the second coat of *Acriflex Winter* or *Acriflex Fybro* taking care to completely cover the net and avoiding to leave holes on the surface.

8. Once the waterproofing layer is dry, apply *Floorgum Tyre Mono* by roll or airless in two coats with the right yield.

## DRYING TIME

At 20°C (68°F) and 40% of relative humidity level, the product drying time is 4 hours, it becomes walkable after 12 hours and it becomes driveway after 4 days.

• Drying time is influenced by relative humidity level and by temperature and may change significantly.

## SUGGESTIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C (+41 /+95 °F)..
- During summer season apply the product in the cooler hours of the day.
- Do not apply with imminent threat of rainwater or ice, in case of strong fog or relative humidity level higher than 70%.
- It is very important to made regular expansion joints on the screed to avoid cracks in the coating.
- In case of flat surfaces provide a sloping screed to allow the correct water flow.

## CLEANING

Wash tools with water.

## SAFETY

For the handling, see product safety sheet.



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