

# FLOORGUM PAINT

*Multipurpose pedestrian synthetic coating*

One component liquid coating formulated with water based resins (granulometry 0.06 – 0.1 mm). To use as multipurpose walkable coating, in order to realize walkable protective coatings over waterproofing liquid systems, as an alternative to traditional ceramic tiles. The product is also suitable to realize multipurpose playing surfaces, cycle paths, boundary lines of pedestrian areas and non-slip coatings. Resistance to temperature changes, UV rays and wear.

## ADVANTAGES

- Easy and quick application;
- Realisation of a non-slip walkable coating;
- Excellent resistance to freeze-thaw cycles, UV rays, salty air and salt in general;
- Ciclying;
- High elasticity;
- It can be applied to finish waterproofing systems based on synthetic resins;
- It can be tiled or covered with another coating;
- Solvent free product.

## YIELD

1,20 kg/m<sup>2</sup>.  
0,25 lb/ft<sup>2</sup>.

## COLOUR

Blue, light blue, grey, red, green, sand.  
On request, it is possible to produce customized colours.

## PACKAGING

25 kg (55.10 lb) Plastic bucket.  
Pallet: 48 buckets (1200 kg) (2645.50 lb).

## APPLICATION FIELDS

The product is suitable for:

- cycle paths (Italian ANAS certification);
- covering concrete and asphalt surfaces destined to sport facilities (tennis, basketball and five-a-side football playgrounds);
- covering concrete or asphalt surfaces in order to make them walkable and non-slip.

It can be used as a protective coating in combination with liquid waterproofing materials, making the surface walkable.

It is possible to use it both indoor and outdoor.

## STORAGE

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


Storage time: 24 months.

## CLEANING

Wash tools with water before product hardening.

## SAFETY

For the handling, always use personal protection tools and see the product safety data sheet.



**Diasen srl**  
Zona Industriale Berbentina, 5 Sassoferrato ANCONA  
11  
UNI EN 1504-2  
Products and systems for the protection and restoration  
of concrete structures – Part 2 : Concrete surface's  
protection system

Water vapor permeability:                      μ = 689  
Fire resistance:                                      B class – s2, d0



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

## Coatings - acrylics

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		Unit
Yield	1.20 kg/m <sup>2</sup> 0.25 lb/ft <sup>2</sup>	kg/m <sup>2</sup> lb/ft <sup>2</sup>
Aspect	semi-dense	-
Colour	Blue, light blue, grey, red, green, sand.	-
Dilution	max 10% of water	-
Granulometry	0.06 – 0.1	mm
Waiting time between 1 <sup>st</sup> and 2 <sup>nd</sup> coat (T=20°C; R.H. 40%)	4	Hours
Application temperature	+5 /+35 +41/+95	°C °F
Maximum humidity	70%	-
Drying time (T=20°C; R.H. 40%)	4	Hours
Walkability	12	Hours
Storage	24 months in original container and dry place	Months
Packaging	25 kg 55.10 lb plastic bucket	kg lb

Final performances		Unit	Regulation	Result
Resistance to abrasion (1000 rotations with wheels CS-10)	0.099 g 0,46%	g	UNI 10559 ASTM D4060	-
	0.00022 lb 0.46%	lb	ASTM D4060	
Resistance to Weathering Test	2000 hours (> 10 years*)	hours / years	UNI EN ISO 11507 ASTM D4587	-
Fire resistance	Class B – s2, d0	-	EN ISO 11925-2 EN 13823 EN 13501-1	-
Resistance to hydrocarbons	-	-	ANAS certification	No bug at the end of the test
Resistance to diesel oil	-	-	ANAS certification	No bug at the end of the test
Resistance to lubricant oils	-	-	ANAS certification	No bug at the end of the test
Resistance to salts (saturated CaCl <sub>2</sub> and NaCl)	-	-	ANAS certification	No bug at the end of the test
Resistance to pendulum sliding friction	PTV = 66	-	ANAS certification	resistant
Resistance to slip	μ = 1.127 level 3	-	UNI 8272 part 11°	-

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Final performance		Unit	Regulation	Result
Adhesion on concrete	0.56	MPa = N/mm <sup>2</sup>	UNI EN 1542	A/B break type
	81.20	lbf/in <sup>2</sup>	-	-
Adhesion on asphalt	-	-	-	excellent
Adhesion on bituminous membrane	< 1,0	MPa = N/mm <sup>2</sup>	ISO 4624	sufficient
	<145	lbf/in <sup>2</sup>	ASTM D4541	-
Adhesion on rubber mat	< 1.0	MPa = N/mm <sup>2</sup>	ISO 4624	sufficient
	<145	lbf/in <sup>2</sup>	ASTM D4541	-
Resistance to freeze-thaw cycles (-15°C/+15°C)	-	-	UNI EN 202 ASTM C666	unchanged
Adhesion on <i>Sportgum</i>	> 7.0	MPa = N/mm <sup>2</sup>	ISO 4624	excellent
	>1015.3	lbf/in <sup>2</sup>	ASTM D4541	-
Adhesion on <i>Floorgum Anthracite</i>	> 7.0	MPa = N/mm <sup>2</sup>	ISO 4624	excellent
	>1015.3	lbf/in <sup>2</sup>	ASTM D4541	-
Adhesion on <i>Acriflex Winter</i>	> 7,0	MPa = N/mm <sup>2</sup>	ISO 4624	excellent
	>1015.3	lbf/in <sup>2</sup>	ASTM D4541	-
Water vapour permeability	μ = 689	-	UNI EN ISO 7783	-

\* 1680 hours of Weathering Test are compared to 10 years. This equivalency is merely indicative and may vary according to weather conditions of the place of use of the product. The above data, even if carried out according to regulated test methods are indicative and may change varying the specific site conditions.

## PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts.
- Remove dust, grease and oils.
- Substrate temperature must be between +5°C and +35°C (+41°F and +95°F).
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- The surface must not present water stagnation.
- In case of supports with rough asphalt, regularize the surface with *Floorgum Anthracite* before applying *Floorgum Paint* (read technical data sheet).
- In case of direct application on asphalt, provide an increased yield, according to the roughness of the support.
- If the support is affected by rising dampness, it will be necessary to apply a vapour barrier (read *WATstop* technical data sheet).

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## MIXING

It is a one component product, ready to use. Before applying it, mix it with a mixing drill until obtaining a homogeneous mixture; if it is necessary, dilute with a maximum of 10% of water. The water indicated is an indicative value. It is possible to obtain a more or less fluid mixture depending on the needed application. Never add anti frost products, cement or aggregates.

## APPLICATION

1. If there are dampness problems, apply *WATstop* as a vapour barrier (yield: 0.6 kg/m<sup>2</sup>, read technical data sheet).
2. If there is no dampness on smooth concrete surfaces or already tiled surfaces, apply *WATstop* as a primer (yield: 0.3 kg/m<sup>2</sup>, read technical data sheet).

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3. Once the primer is totally dry, apply *Floorgum Paint* by roll, airless or water squeegee with two coats of the same yield. For a better result and a more homogeneous surface, it is recommended to cross the coats. In case of rain on a non perfect dry product, carefully check the suitability of the next covering.

To realize walkable surfaces in combination with waterproofing systems by Diasen, it is necessary to directly apply *Floorgum Paint* without primer.

## SPORT FLOORING APPLICATION

1. If there are dampness problems, apply *WATstop* as a vapour barrier (yield: 0.6 kg/m<sup>2</sup>, read technical data sheet).
2. If there is no dampness on smooth concrete surfaces or already tiled surfaces, apply *WATstop* as a primer (yield: 0.3 kg/m<sup>2</sup>, read technical data sheet).
3. Once the primer is totally dry, apply *Sportgum* (for professional playgrounds) or *Floorgum Anthracite* (see technical data sheet). In case of rain on a non perfect dry product, carefully check the suitability of the next covering.



4. Once *Sportgum* is completely dry, apply *Floorgum Paint* by roll, airless or water squeegee in two coats with the same yield. For a better result and a more homogeneous surface, it is recommended to cross the coats.
5. Once *Floorgum Paint* is dry, use the acrylic paint *Colorflex* for the demarcation of boundary lines (read the technical data sheet).

## DRYING TIME

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

- 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 (+41°F) or higher than +35°C (+95°F).
- During summer season apply the product during the cooler hours of the day, away from sun.
- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity level higher than 70%.
- In case of plane surfaces, consider a screed with slopes in order to let water flow off.



## Coatings - acrylics

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