

COLORFLEX

High resistance coating for the demarcation of playing areas

One-component liquid coating formulated with water-based acrylic resins, resistant to wear, atmospheric agents and UV rays. The product is designed for the demarcation of play areas in sport - flooring systems. Easy to apply, it is suitable for indoor or outdoor environments.

BENEFITS

- Walkable.
- High resistance to freeze and thaw cycles, UV rays, brackish air and salts in general.
- Easy and quick to apply
- Good elasticity.
- ITF certified product (ITF2, ITF3 e ITF5)
- Certified product for *Padel* courts (EN 12235:2013, ball bounce: 96 %)

YIELD

1 kg/m²
0.05 kg/linear meter for a 50 mm width line.

COLOUR

White, gray, red and green.

PACKAGING

Plastic bucket of 5 kg.
Pallet: 20 box – 4 bucket each (400 kg).

APPLICATION FIELD

The product is suitable for creating of cycle paths (ANAS certified), to trace the demarcation lines of the playing areas to complete Diasen sport flooring systems (tennis, basketball, soccer fields). It is used both indoors and outdoors.

STORAGE

The product must be stored in the original containers perfectly closed in well-ventilated areas, away from sunlight and frost, at temperatures between + 5 °C (+ 41°F) and + 35 °C (+ 95 °F).

Storage time: 24 months.

PREPARATION OF THE SUPPORT

The substrate must be completely hardened, dry and sufficiently resistant. The surface must be thoroughly clean, well consolidated, without crumbly and inconsistent parts, perfectly levelled and must not have water stagnation. The product *Colorflex* should be used in combination with Diasen sport flooring systems products.

SPORT FLOORING SYSTEMS

Wait for the last layer of product applied to dry completely and proceed with the application of *Colorflex*. For supports not listed in the technical data sheet, contact the Diasen technical office.

MIXING

The product is single-component, ready to use. Before proceeding with the application, mix with a mixer drill until a homogeneous mixture is obtained; if necessary dilute with a maximum of 10% water. The specified water is indicative. It is possible to obtain a product with a more or less fluid consistency depending on the application needed to be carried out. Never add external components to the mixture.

APPLICATION

1. When the underlying layer is completely dry, according to the playing field wanted, it is necessary to use an adhesive tape, in order to precisely define the contour of the line to be created.



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2. Apply *Colorflex* with a brush or short-haired roller. The lines generally have a width of 5 cm.

For more information about the application of the various cycles relating to Diasen Sports Systems (EVOLUTION SYSTEM [ITF2], PRO SYSTEM [ITF3], X-PRO SYSTEM [ITF5], PADEL SYSTEM), see the technical data sheets of the products involved: *Sportugum*, *Floorgum Antracite* and *Floorgum Paint*.

DRYING TIMES

At a temperature of 23 ° C and relative humidity of 50% the product dries in 4 hours.

- Drying times are affected by relative humidity and temperature of the environment, and can also vary significantly.
- If *Colorflex* is applied in high thicknesses, the drying time is considerably longer.

SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +5°C (34°F) and higher than +35°C (95°F).



- During summer season, apply the product in the cooler hours of the day, away from sunlight.
- During the winter season the substrate must be perfectly dry. Moisture can cause blanching and detachment.
- Do not apply with imminent threat of rain or frost, in conditions of strong fog or with relative humidity higher than 70%.
- When flat surfaces are involved, provide a sloping screed with adequate inclination to allow the water to flow out.

CLEANING

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

SAFETY

While handling, always use personal protective equipment (PPE) and respect the instructions described in product safety data sheet.



COATINGS - acrylics

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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

Technical Data *		
Features		Units
Yield	1,00 kg/m ²	kg/m ²
	0,05 kg/m (for a 50 mm width line)	
	0.205 lb/ft ²	lb/ft ²
0.034 lb/ft (for a 0.164 ft width line)		
Aspect	liquid	-
Colour	white, grey, red and green	-
Dilution	If necessary, max. 5% of water	-
Waiting time between 1 st and 2 nd coat (T=23°C / 73.4 °F; R.H. 50%)	4	hours
Application temperature	+5 /+35	°C
Maximum humidity	70%	-
Drying time (T=23°C / 73.4 °F; R.H. 50%)	4	hours
Storage	24 months, in the original packaging stored in dry areas	months
Packaging	5 kg plastic buckets	kg

** 1680 hours of weathering tests correspond to about 10 years. This correspondence is merely indicative and it may change according to the weather conditions where the product will be used.

Final performances		Units	Regulations	Results
Weathering Test**	1680 hours (> 10 years**)	hours/ years	UNI EN ISO 11507	-
Viscosity (viscometer : Brookfield DV-E s06, 30 RPM, E= 20°C, 75% UR)	7000 ± 1000	mPa·s	-	-
Permeability to water vapour	μ = 1100	-	UNI EN ISO 7783	-



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