

FLOORGUM ANTRACITE

Synthetic mortar to level sport courts of the *TENNIS line – X-Pro System*.

Floorgum Antracite, formulated with water based resin and granular aggregates. It is a one component liquid product to be used as a sub-layer for sport courts of the *TENNIS line – X-Pro System*. The product is suitable for thick coat over concrete or bituminous binder to regularize and prepare them before applying Diasen coating. Suitable outdoor and indoor.

BENEFITS

- Excellent filling capacity.
- Easy and quick application.
- Excellent adhesion to the substrate.
- Applicable over asphalt without primer.
- Elastic and long-lasting.

APPLICATION FIELDS

The product is studied for sport courts of the *TENNIS line – X-Pro System* in combination with *Hard Paint* coating and *Sport Finish PU* protective coating.

The system *Floorgum Antracite + Hard Paint* is certified ITF5 (International Tennis Federation). The product is suitable to level and uniform concrete or asphalt walkable surfaces. It can be applied over asphalt substrates without primer. Suitable both for indoor and outdoor.

YIELD

1.50 kg/sqm in two coats.

COLOUR

Antracite.

PACKAGING

25 kg plastic bucket.

Pallet: 48 buckets (tot 1200 kg).

STORAGE

Store the product in its original container well closed 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.

PREPARATION OF SUPPORT

The support must be completely hardened, dry and resistant. The surface must be thoroughly clean, well consolidated, without debris or detaching parts, perfectly leveled and free from standing water.

Before the application of the product, it is recommended to cover all the surfaces and elements that will not be coated.

Concrete

If there are crack on the surface, fill them with a suitable cement mortar.

If the substrate is wet or with rising damp, it is strictly necessary to use *WATstop* as vapor barrier (see technical data sheet).

Asphalt

Once asphalt is completely cooled down and cured, apply *Floorgum Antracite* directly.

For all the substrates that are not listed in this technical data sheet, please contact Diasen technical office.



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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

Water vapor permeability:

μ = 665



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

Smoother – Thick liquid mortars

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. Products can be tested in a closed environment (lab) but job specific features of a project can effect the performance of these products from project to project.

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Technical Data		
Features		Unit
Yield	1,5	kg/m ²
Aspect	paste	-
Colour	antracite	-
Dilution	if needed max 10% of water	
Waiting time between 1 st and 2 nd coat (T=20°C ; R.H. 40%)	4	hours
Application temperature	+5 /+35	°C
Drying Time (T=20°C; R.H. 40%)	4	hours
Storage	24 months in original containers and dry place	months
Packaging	25 kg plastic bucket	kg

Final Performances		Units	Regulation	Results
Adhesion over asphalt	-	-	-	excellent
Break Elongation Test	754,60	%	ISO 527-1	elastic
Pull Off Adhesion Tester (concrete)	1,3	MPa	UNI EN ISO 4624	good
Pull Off Adhesion Tester (bitumen membrane)	1,0	MPa	UNI EN ISO 4624	good
Pull Off Adhesion Tester (slated membrane)	1,0	MPa	UNI EN ISO 4624	good
Water vapor permeability	μ = 655	-	UNI EN ISO 7783	-

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

Smothers – Thick liquid mortars

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Treatment of dilatation joint

Joints must be perfectly clean to eliminate any residual particle inside. Fill them with the polyurethane sealer *Diaseal Strong* (see technical data sheet) before the application of the *X-Pro System*.

Over time it is possible to have micro cracks on the joints. These are due to the movements of the substrate underneath but they do not compromise the system.

It is suggested to create dilatation joints where there are boundary lines in the playing area, so eventual cracks will be less visible and with a better aesthetic view.

MIXING

Floorgum Antracite is a one component product, ready to use. Mix with a professional mixing drill until obtaining a homogeneous mixture, without lumps.

If the climate is extremely hot it is possible to dilute with 10% of clean water. Never add anything else to the mixture.

TENNIS LINE – X-PRO SYSTEM

Application

1. *Floorgum Antracite* must be applied in two coats.
2. Apply a first coat of *Floorgum Antracite* with water squeegee or short hair brush, ensuring the full coverage of the surface. In case of rain over a non perfectly dry product, carefully check the suitability of the next coating.
3. When the first coat is completely dry, apply a second coat of *Floorgum Antracite* until perfectly cover the surface. Level the surface to have a homogeneous and perfectly even surface.
4. When *Floorgum Antracite* is completely dry, apply *Hard Paint* coating for sport surfaces (see technical datasheet).

DRYING TIME

At 20°C (+68°F) and 40% of relative humidity level, the product dries in 4 hours.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.
- If applied with a higher coverage than the one stated in this technical data sheet, drying time maybe significantly longer.

SUGGESTIONS

- Do not apply at temperatures (room and substrate) 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%.
- During winter season the substrate must be perfectly dry. Moisture can cause bubbles and detachments.
- Verify that the surface has the right slope to allow the flow of water.
- It is very important to consider dilatation joints at regular distance on the surface. Joints must be made in accordance with the best working standards to avoid cracks.

CLEANING

Wash tools with water before product hardens.

SAFETY

During the handling always use personal protective equipment and follow the instructions safety data sheet.

Smoother – Thick liquid mortars

