



DRACOFLOOR GYMNASIUM SYSTEM

NOISE ATTENUATING ELASTIC FLOORING FOR GYMS, SPORTS FACILITIES, SCHOOLS, INDOOR MULTIPURPOSE PREMISES

DRACOFLOOR GYMNASIUM is an elastic flooring system for gyms, sports facilities, leisure areas and indoor sports centres. Highly flexible, shock-resistant and noise attenuating, **DRACOFLOOR GYMNASIUM** is ideal in schools, multipurpose areas and even confined spaces. **DRACOFLOOR GYMNASIUM** can also be used to renovate existing flooring.



Products used: **DRACOFLOOR GYM PRIMER - DRACOFLOOR GYM SOFT LAYER
DRACOFLOOR GYM SL COAT - DRACOFLOOR GYM TOP COAT**

ADVANTAGES

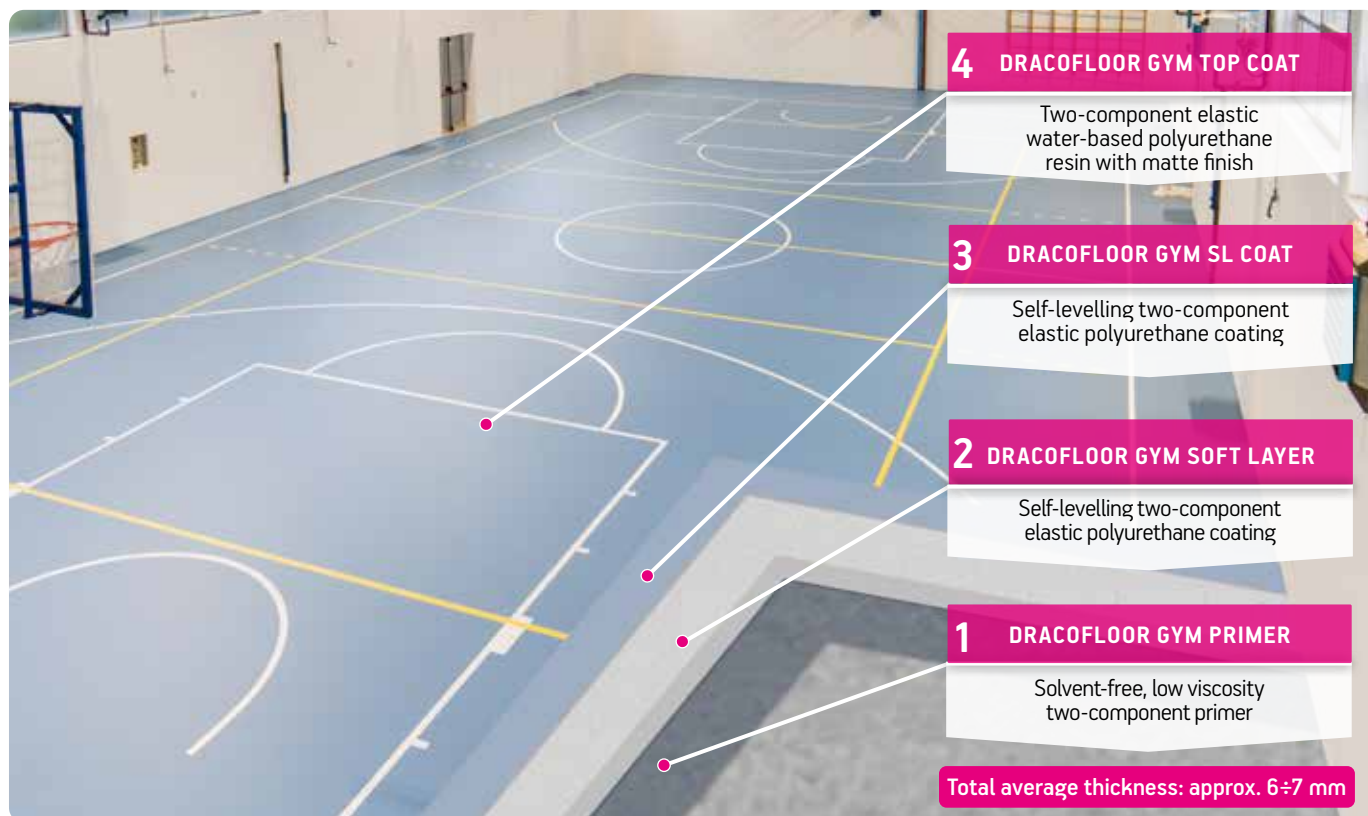
Advantages vs. linoleum or PVC flooring:

- ✓ **jointless:** improved hygiene and cleanness that prevent the proliferation of bacteria and moulds;
- ✓ **high shock absorption:** reduces the harm of falls;
- ✓ **noise attenuation;**
- ✓ **flexible and resistant to cracking:** the excellent elastic return does not cause cracking, unlike linoleum;
- ✓ **resistant to chemical attack and wear.**

IDEAL FOR

Elastic sports flooring for:

- ✓ **gyms, sports facilities and schools**
- ✓ **basketball, volleyball, five-a-side football etc**
- ✓ **sports arenas, multipurpose rooms and indoor multipurpose leisure areas**





SUBSTRATE PREPARATION

CLEANING

Clean the substrate by removing any greasing residues, flaking parts, loose coatings, surface treatment, dust, dirt or other materials which may adversely affect adhesion and cause the coating to come off. Remove laitance and any surface sealer or curing membrane by vacuum contained shot-blasting until exposing the clean surface. Protect the prepared substrate from further contamination prior to application.

CONCRETE SUBSTRATE

The concrete substrate must have a compressive strength of at least 25 MPa and a pull-off strength of at least 1.5 MPa pursuant to EN 1542. If the substrate is high in moisture, a moisture barrier must be considered. The residual moisture content of the substrate must not exceed 4%. Temperature must be at least 3°C higher than current dew point.

EXISTING CONCRETE SURFACES

Proceed with shot-blasting or grinding to roughen the substrate and reach the sound, compact concrete, then remove the residues using a vacuum cleaner. In the presence of joints, remove neoprene, if any, and fill the joints.

Repair any hollows, holes or obvious irregularities with the fast curing two-component anti-shrinkage epoxy mortar for spot repair of concrete flooring PAVIFIX; use skim coat EPOMALT FAST 50-100 to restore flatness.

NEW INDUSTRIAL CONCRETE FLOORING

On concrete surfaces that are new or however in good condition, you simply need to thoroughly sand to remove the non-absorbent surface film that naturally forms on concrete flooring newly installed by trowel.

WARNINGS:

- ▶ Avoid application during the hottest hours of the day and/or on a hot surface.
- ▶ The ideal temperature of the material before and during application is 15° to 25°C.

AVAILABLE COLOURS

LIGHT BLUE	GREEN	OCHRE	GREY	BRICK RED
similar to RAL 5024	similar RAL 6037	similar RAL 1028	similar to RAL 7036	similar to RAL 3031

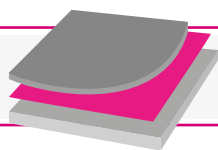
Other colours available upon request. The colours shown may differ from the original product due to changes in reprography and technological supports. Refer to real samples. The same colour may also vary on different products because of the composition and texture of the finishing. Permanent exposure to UV rays may modify the colours over time. The product performance and chemical resistance will not be altered.



DRACOFLOOR GYMNASIUM SYSTEM - STEPS

STEP

1



PRIMER APPLICATION | DRACOFLOOR GYM PRIMER (*)

Apply high penetration primer **DRACOFLOOR GYM PRIMER** to deeply consolidate the cementitious substrate and enhance the adhesion of the coating system. Premix the components of **DRACOFLOOR GYM PRIMER** separately in their own containers before mixing. Pour component B in the container of component A and mix for 2-3 minutes using a low-speed drill with mixing paddle until a homogeneous and lump-free consistency is achieved. Evenly apply approx. 0.50 kg/m² of **DRACOFLOOR GYM PRIMER** in one coat using a rubber spatula. If the substrate is very porous, apply a second coat. Do not dilute.

PRODUCT USED:

DRACOFLOOR GYM PRIMER

TWO-COMPONENT SOLVENT-FREE
LOW VISCOSITY HIGH PENETRATION PRIMER
BASED ON POLYURETHANE RESINS

✓ Packaging:

16 kg pail (A) + 8 kg pail (B)

APPLICATION SPECIFICATIONS:



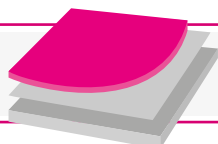
Consumption:

DRACOFLOOR GYM PRIMER:
0.5 kg/m² in one coat

Workability and overcoat times vary depending on environmental conditions. The times given herein are calculated at a temperature of 23°C and 50% relative humidity. Comply with the recommendations and preparation and application instructions indicated in the technical data sheets.

STEP

2



ELASTIC BASE COAT APPLICATION | DRACOFLOOR GYM SOFT LAYER

Pre-mix the components thoroughly in their own containers before mixing. Pour component B and component A in a suitable container and mix for 2-3 using a low-speed drill with mixing paddle until a homogeneous and lump-free consistency is achieved. Mix thoroughly to prevent incompletely mixed material from depositing on the walls and bottom of the container. Keep the mixing paddle fully submerged to avoid air entrapment. Allow the mixed material to rest in a clean container and mix again for one minute. Apply **DRACOFLOOR GYM SOFT LAYER** right after mixing at a rate of 3 kg/m² in one coat using a notched spatula. **DRACOFLOOR GYM SOFT LAYER** is self-levelling; in the recommended environmental and substrate conditions, no finishing with a spiked roller or smoothing is required. Under different conditions, go over the surface with a spiked roller to roll out air bubbles.

PRODUCT USED:

DRACOFLOOR GYM SOFT LAYER

SELF-LEVELLING TWO-COMPONENT
ELASTIC POLYURETHANE COATING

✓ Packaging:

19.7 kg can (A) + 5.3 kg can (B)

APPLICATION SPECIFICATIONS:

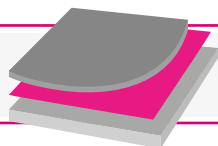


Consumption:
DRACOFLOOR GYM
SOFT LAYER:
approx. 3 kg/m²

Workability and overcoat times vary depending on environmental conditions. The times given herein are calculated at a temperature of 20°C and 50% relative humidity. Comply with the recommendations and preparation and application instructions indicated in the technical data sheets.



STEP 3



COATING APPLICATION | DRACOFLOOR GYM SL COAT

Pre-mix the components of **DRACOFLOOR GYM SL COAT** thoroughly in their own containers before mixing. Pour component B in the container of component A and mix for 2-3 using a low-speed drill with mixing paddle until a homogeneous and lump-free consistency is achieved. Mix thoroughly to prevent incompletely mixed material from depositing on the walls and bottom of the container. Allow the mixed material to rest in a clean container and mix again for one minute. Apply **DRACOFLOOR GYM SL COAT** at a rate of 3 kg/m² in one coat using a squeegee, spreader blade or notched spatula. **DRACOFLOOR GYM SL COAT** is self-levelling; in the recommended environmental and substrate conditions, no finishing with a spiked roller or smoothing is required. Under different conditions, go over the surface with a spiked roller to roll out air bubbles.

PRODUCT USED:

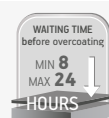
DRACOFLOOR GYM SL COAT

SELF-LEVELLING TWO-COMPONENT ELASTIC POLYURETHANE COATING

✓ Packaging:

19.4 kg can (A) + 5.6 kg can (B)

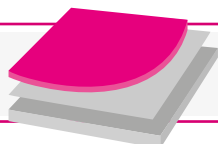
APPLICATION SPECIFICATIONS:



Consumption:
DRACOFLOOR GYM SL COAT:
approx. 2.6 ÷ 3.9 kg/m²

Workability and overcoat times vary depending on environmental conditions. The times given herein are calculated at a temperature of 23°C and 50% relative humidity. Comply with the recommendations and preparation and application instructions indicated in the technical data sheets.

STEP 4



TOP COAT APPLICATION | DRACOFLOOR GYM TOP COAT

Pre-mix the components thoroughly in their own containers before mixing. Pour component B in the container of component A and mix for 2-3 using a low-speed drill with mixing paddle until a homogeneous and lump-free consistency is achieved. Mix thoroughly to prevent incompletely mixed material from depositing on the walls and bottom of the container. Keep the mixing paddle fully submerged to avoid air entrapment. Allow the mixed material to rest in a clean container and mix again for one minute. Apply **DRACOFLOOR GYM TOP COAT** by roller at a rate of 0.15 kg/m². Spread out the product carefully and minimise overlapping. Roll the top coat with another clean roller to provide a uniform surface and minimize overlapping signs.

PRODUCT USED:

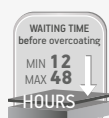
DRACOFLOOR GYM TOP COAT

TWO-COMPONENT ELASTIC WATER-BASED POLYURETHANE RESIN WITH MATTE FINISH

✓ Packaging:

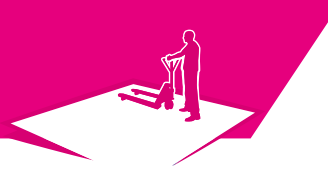
9.1 kg can (A) + 0.9 kg can (B)

APPLICATION SPECIFICATIONS:



Consumption:
DRACOFLOOR GYM TOP COAT:
0.13 ÷ 0.15 kg/m² in one coat

Workability and overcoat times vary depending on environmental conditions. The times given herein are calculated at a temperature of 23°C and 50% relative humidity. Comply with the recommendations and preparation and application instructions indicated in the technical data sheets.



APPLICATION CYCLE

DRACOFLOOR GYM PRIMER

CONSUMPTION:
0.5 kg/m²
in one coat



DRACOFLOOR GYM SOFT LAYER

CONSUMPTION:
approx. 3 kg/m²
THICKNESS:
approx. 4 mm



DRACOFLOOR GYM SL COAT

CONSUMPTION:
approx. 2.6 ÷ 3.9 kg/m²
THICKNESS:
2 ÷ 3 mm



DRACOFLOOR GYM TOP COAT

CONSUMPTION:
0.13 ÷ 0.15 kg/m²
in one coat



DRACOFLOOR GYMNASIUM SYSTEM

TOTAL AVERAGE THICKNESS:
approx. 6 ÷ 7 mm



TECHNICAL SPECIFICATIONS - EN 14904

• Shock absorption	25 - 75%	26% (P1)
• Vertical deformation	≤ 5 mm	0.5 mm
• Resistance to rolling load with load >1500 N	≥ 1500 N	1500 N
• Vertical ball behaviour - bounce height	> 90%	99%
• Wear resistance	max. 80mg	20 mg
• Friction: pendulum test	80-100	95
• Resistance to impact	≥ 8	19
• Resistance to rolling load - residual impression	≤ 0.5 mm	0.1 mm

SYSTEM'S PERFORMANCE CHARACTERISTICS

Resistance to impact	++
Slip resistance	+++
Chemical resistance	+++
Resistance to abrasion	++
Resistance to traffic	+

Legend:

VERY HIGH +++++ HIGH ++++ MODERATE ++ MOD.-LOW +

Legal notes - SLCMP version of 01.03.2017

Draco Italiana s.p.a. has adopted the parameters indicated in this data sheet and the related standards for the calculation of the values and technical data contained herein. Customers shall verify that this data sheet and the values indicated herein apply to their product batch and have not been superseded by later editions. If in doubt, verify that the sheet corresponds to the one available on the website www.draco-edilizia.it at the time the sales contract was executed and/or by previously contacting the Technical Department. Any suggestions on the use of the Products provided by our personnel either orally or in writing upon the Customer's request do not constitute additional obligations to the purchase contract and do not imply a contractual obligation for the company. They are based on our experience and limited to the current state of practical and/or scientific knowledge. They are not binding for the client or for the installer. It is the Customer's responsibility to test our products and verify they are suitable for the type of application and use envisaged.

Due to the nature of the product, it is not possible to guarantee perfect colour consistency between batches. Nonetheless, this does not affect in any way the characteristics and performances of the product. It is recommended to use only paints from the same production batch on adjacent surfaces. To avoid any colour differences, check that colour is correct and of the same batch number before applying the product.