BEST CONSTRUCTION
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BESTCOAT SF PU

Silicon Modified Single Layer Gym Floor

PRODUCT DISCRIPTION:

Bestcoat SF PU is a general purpose PU Floor which adds cushioning to the robustness of conventional Polyurethane Floor.

- Multi-purpose Gym floor.
- Seamless and Waterproof top layer is easy to clean.
- Anti-slip top finish.
- Added cushioning prevents injuries and protects joints.
- Added Anti-microbial additives prevent growth of Bacteria and creates a hygienic floor.
- Double Layer design results in provided sound proofing.
- Fully customizable Design, with a wide variety of colours and marking options.
- Economical and hassle free maintenance
- Simple Installation procedure

FIELD OF APPLICATION:

Bestcoat SF PU is a multi-purpose floor fit for the following exercise areas:

- Multi-purpose rooms
- Aerobics
- Indoor Running
- Static Machines

PRODUCTS INCLUDED IN THIS SYSTEM AND APPROXIMATE COVERAGE

Bestcoat SF PU: 1.15Kg/SQM*mm

Bestcoat SF PU: 90g/SQM (two coats)

TECHNICAL INFORMATION

TYPE	Bestcoat SF PU
Tensile Strength (DIN 53455)	8.4 N/mm
Surface Hardness (DIN 53505)	80 Shore A
Elongation at Break (DIN 54455	130%
Friction (DIN 18032)	0.45
Impact Resistance (DIN 18032)	10 Nm
Curing time	
Accessible	8-12 Hours
Partial loadable	01 Day
Full load able	05 Day
Resistance - Static Load (24 Hrs)	25 kg/cm
Tear Strength (DIN 53515)	22 N/mm
Floor Thickness	3-8 mm
Abrasion Resistance (DIN 540074)	0.08 mm
Energy Restitution	39%

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GUIDE TO APPLICATION
SURFACE PREPARATION:

Suitable substrates include but are not limited to permanently dried concrete and wood. To eliminate the telegraphing effect of defects in the substrate through the flooring, the substrate must be smooth. Remove all dust, dirt, grease, and foreign materials from the substrate. Moisture in the substrate negatively affects any adhesive product and should be eliminated prior to installation. The substrate should be prepared using a grinder, scarifies or any appropriate machine that would even the surface and produce enough 'keys' for the material to better bond with.

PRIMING:

Using a slow speed drill and paddle, mix the components for a minimum of 1 minute, or until all striations have disappeared. Apply the mixed sealer to the prepared dust free surface with a medium pile roller, at the rate of 6- 8m² per litter depending on the surface profile of the concrete. If the concrete is very absorbent, a single application may not be sufficient and a second coat may be required to ensure the surface is completely sealed. Allow the sealer to become tack free

Bestcoat SF PU

Pour the mixed material onto the primed and sealed surface, and spread to the required thickness using a pin screed, notched trowel or steel float. As soon as the material has been spread to the required level, the applied material should be rolled with a spiked roller to release entrapped air and remove trowel marks. Rolling should be continued until all air is released and a uniform colour is obtained. The operator should always wear spiked shoes when using the spiked roller so that he can walk in the wet material.

SEALER

After applying the Bestcoat SF PU layer and leaving for at least 24 hours, apply the sealer coat to finish. Thoroughly mix two- component polyurethane top coat using a mixer. Apply evenly using a roll coater and spread the material thoroughly across the floor. Two coats are recommended. Allow the existing layer to dry tack free before moving on the subsequent layer.

CURING:

The curing of reactive polymers is affected in particular by the ambient and sub surface's temperature. Low temperatures slow the polymer's chemical reactions and thus prolong the time required for application, until the surface is ready for the second coat, until being able to walk on, and the floor's total curing time; as well as increasing the amount of material required due to the higher viscosity. High temperatures accelerate the chemical reactions, thus correspondingly diminishing the above times. In order for the reactive polymer to fully cure, the mean temperature of the subsurface must always be higher than the minimum temperature.

Disclaimer:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.