



BILIZO® SPORTS 430

Polyurethane Very Resilient Flooring

Product Description

It is a polyester polyurethane resin-based, two-component, solvent-free and color flooring, being very resilient, shock absorber, which is used as flooring in thick coat.

Uses

- Walking paths, jogging tracks
- On outdoor sports grounds, indoor sports halls
- On performing arts stage floors
- It is used as a shock absorbing layer of the creepable flexible floor covering system in children's playgrounds and kindergartens.

Consumption

The amount of BILIZO® SPORTS 430 required to create a 1.0 mm thick coating on 1 m² of surface is between 1.0-1.1 kg. Outdoor children's playgrounds, sports fields covering - should be 2.0 mm thick.

Depending on the system solutions, the usage and amount may change.

Packaging

A 20-kg set of BILIZO® SPORTS 430 consists of Component A in one pail of net 17.5 kg and Component B in one galloon of net 2.5 kg.

Advantages

- Creates a joint-free monolithic floor,
- It is shock absorbent and creates a comfortable floor.
- It is hygienic and healthy.
- It is easy to clean. It can be cleaned with household chemicals.

Technical Data

Finish	Semi Gloss
Color	Gray, Beige, Oxide red
Density:	1,40 ± 0,05 kg/l (A+B)
Mix Ratio	17,5:2,5 (A:B – by weight)
Solids by Volume	100% (A+B)
Pot Life (+10°C)	60 minutes
(+30°C)	40 minutes
Wait Time Between Coats (+10°C)	24 hours / at 20°C
(+20°C)	12 hours / at 20°C
Ready for Light Traffic	48 hours / at 20°C
Full Cure	7 days / at 20°C
Shore A Hardness	50 - 60
Elongation at Break	60% / at 20°C
Breaking Strength	100 kg/cm ²
Taber Abrasion Resistance	25 mg (in full cure)
Surface temperature	+8°C - +35°C
Ambient temperature	+8°C - +35°C
Relative air humidity	Max %70-80
Dew Point	Pay attention to the dew point! Dew point must be at least +3 °C in order to reduce the risk of condensation and blooming in finished surface and uncured coating surface temperature.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

Application

Surface Preparation: Surface should be dry, clean, free of any defects and load-tolerant. Any oil, wax, grease, water repellent, easily detachable and loose parts and dust on the surface which may impair adhesion force should be cleaned off and removed by floor planer. Surface should be primed and, if required, roughened mechanically.

Application Conditions:

- Maximum ambient humidity should be 80%.
- Ambient temperature should be between 10 and 30 °C.
- In case it is applied outdoors, it should not be rainy 24 hours before and after and during the application.
- Surface temperature should be 3°C above the then dew point. (Please call our firm for the Ambient temperature-Ambient Moisture-Dew Point table.)

Floor Conditions:

Surface temperature should be between 10-30 °C. Moisture of the surface concrete should be less than 4%. If required, it should be measured by proper equipment. Fresh concrete floors should be minimum 28 days' old. Tensile strength of the floor concrete should be minimum 1,5 N/mm².

Mixing Procedure: It is a two-component product and it should, therefore, be prepared at the mix ratio specified for the quantity to be used, taking into consideration the pot life. For a homogenous mixture, make sure that the product temperature should not be less than 15°C. Component A should be stirred by itself by use of a mechanical mixer quickly and then the hardener (Component B) should be added, taking care of the mix ratio. Components A and B should be stirred by using a mechanical mixer for minimum 3 minutes until you have a homogenous mixture and should be allowed to rest for 5-10 minutes. Make sure the prepared mixture is consumed during the pot life of the mixture.

Surface Application: After made ready to apply, the mixture is preferably applied by toothed trowel in amount specified in the paint system or in such amount to obtain the desired dry film thickness as controlled by wet film comb.

Wait time between the coats is minimum 12 hours (20°C) and maximum 5 days. It is very important that the second coat should be applied within the time for overcoating specified above. It reaches to a full mechanical and chemical strength in about 7 days.

WARNING: After 36-48 hours the material is applied, air temperature should be above 8 °C , it should not be rainy or snowy and should be applied with considering the possibility of raining.

Clean Up Of Tools: Cellulosic or Polyurethane thinner.

Storage

Store the product in a cool and dry place. Shelf life of the product is 1 year for Components A and B when stored properly in the original container unopened.

Safety Measures

Refer to Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.