BILIZO® FLOOR 360

Polyurethane Based Semi Elastic Flooring Material

Product Description

It is a polyester polyurethane resin-based, two-component, solvent-free and colour flooring, self levelling when mixed with proper filling materials, which is used as multilayer or thin coat hard flooring.

Uses

- Workplaces, repair shops, factories and car park, warehouses and garages where chemical and mechanical resistance of medium scale is required;
- Poultry hatcheries and slaughterhouses and industrial kitchens where hygienic conditions are important;
- Food processing areas and warehouses
- Light industry production areas;
- Pharmaceutical Factories
- For hospitals to provide antibacterial effects.

Packaging

A 19-kg set of BILIZO® FLOOR 360 consists of Component A in one pail of net 15 kg and Component B in one galloon of net 4 kg.

Advantages

- Forms a monolithic flooring which does not require joint,
- Hygienic and healthy
- Easy to clean. It can be cleaned by detergents and cleaning agents containing solvent,
- Creates a semi – gross surface
- Wear and skid resistant

Consumption

Quantity of BILIZO FLOOR 360 to form a coating in thickness of 1 mm over an area of 1 m² is 1,4kg.
Flooring in thickness of 1,8 – 2,0 mm suitable for use in the warehouse, production facilities and showrooms with medium traffic

- As impregnation of the concrete surface: BILIZO® MACRO PRIMER ; 0,300-0,450 g/m^2

(For better impregnation, it is recommended to thin it with Epoxy Thinner by 10-20% depending on the surface of the concrete)

- *As base coat*:
  BILIZO® FLOOR 360: 2500 g/m^2
  (in mixture with 0,1 – 0,3 quartz sand at ratio of 1:2 by weight)
- As Topcoat :
  BILIZO® FLOOR 360: 2000 g/m^2
  (in mixture with 0,1 – 0,3 quartz sand at ratio of 1:1)

When colour resistance is required and at the areas exposed to atmosphere;

- As Protective Coat:

BILIZO TOP COAT 370; 200 g/m^2

BILIZO® FLOOR 360 is main coating material of BILIZO® POLYURETHANE INDUSTRIAL SELF SYSTEM.

PROPERTY	RESULTS
Finish	Semi-Gloss
Colour	Any Colours
Density	1,40 ± 0,05 kg/l (A+B)
Mix Ratio	15:4 (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	65-75
Elongation at Break	30% /20°C de
Tensile Strength	170 kg/cm²
Taber Abrasion Resistance	40 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.

Application

Surface Preparation

Surface should be dry, clean, free of any defects and load-tolerant. Any oil, wax, grease, water repellant, 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.)
- Temperature of BILIZO® FLOOR 360 should be between 15-25 °C. Surface exposed to wind may take a wavy form.

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. Air bubbles of the fresh coating spread over the surface thoroughly should be eliminated by use of spiked roller. (Care should be given to it especially in case of applications above 1 kg/m^2 or 700 microns. 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.

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 prepared as per the related EU directives before use.

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.