

# **BILIZO® FLOOR 360 F**

## **Polyurethane Based Resilient Flooring**

### **Product Description**

It is a polyester polyurethane resin-based, two-component, free-solvent, resilient and color flooring of self-levelling which is used as multilayer or thin layer.

### **Uses**

- Self-levelling flooring in thickness of 1-3mm at sport fields
- For exhibition and fair halls and offices subject to light pedestrian and vehicle traffic
- For hospitals, polyclinics, laboratory, playpens, kindergartens, poultry hatcheries and slaughter houses which require hygienic conditions

### **Packaging**

A 20 kg set of BILIZO® FLOOR 360 F consists of Component A in one pail of net 16 kg and Component B in one gallon of net 4 kg.

### **Consumption**

Quantity of BILIZO® FLOOR 360 F to form a coating in thickness of 1 mm over an area of 1 m<sup>2</sup> is between 1,4-1,5 kg.

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

### **Advantages**

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

### **Technical Data**

<b>Finish</b>	Gloss
<b>Color</b>	Gray, Beige, Oxide red
<b>Density:</b>	1,40 ± 0,05 kg/l (A+B)
<b>Mix Ratio</b>	16:3,5 (A:B – by weight)
<b>Solids by Volume</b>	100% (A+B)
<b>Pot Life (+10°C)</b>	60 minutes
<b>(+30°C)</b>	40 minutes
<b>Wait Time Between Coats (+10°C)</b>	24 hours / at 20°C
<b>(+20°C)</b>	12 hours / at 20°C
<b>Ready for Light Traffic</b>	48 hours / at 20°C
<b>Full Cure</b>	7 days / at 20°C
<b>Shore A Hardness</b>	80
<b>Elongation at Break</b>	120% /at 20°C
<b>Breaking Strength</b>	115 kg/cm <sup>2</sup>
<b>Taber Abrasion Resistance</b>	20 mg (in full cure)
<b>Surface temperature</b>	+8°C - +35°C
<b>Ambient temperature</b>	+8°C - +35°C
<b>Relative air humidity</b>	Max %70-80
<b>Dew Point</b>	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, peepant, 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.

**Strength:** Mechanically, it resists against mechanical effect of medium to high load. And thermally, it resists up to +80°C at humid temperature (also without any chemical and mechanical effect) and up to +120°C at dry temperature.

### Application Conditions:

- Maximum ambient humidity should be 80%.
- Ambient temperature should be between 10-30 °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 F should be between 15-25 °C. Surface exposed to wind may take a wavy form.

### 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/mm<sup>2</sup>.

**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 24 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 coat thoroughly spread over the surface should be eliminated. (Special care should be shown for it in case of applications of 1 kg/m<sup>2</sup> or above 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.

**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.