

BILIZO[®] **TOP COAT 400**

Polyurethane Flexible End Layer

Product Description

It is polyurethane / acrylic- isocyanate based two component high build, flexible end layer. Its brightness, brightness continuance, high solvent and scoring resistance are specific properties.

Uses

It is used as end layer in commercial vehicles, some kind of machines, surfaces like tank and steel construction, floor coatings, road line paints, systems in which permanent color and brightness are required and that are resistant against atmospheric conditions.

Packaging

A 20 kg set of BILIZO[®] TOP COAT 400; consists of Component A of net 18 kg and Component B of net 5 kg.

Technical Data

Brightness	Bright
Density	1.20-1.30 gr/ml (differs according to the color)
Solid Material (%)	By weight 75±2 (differs according to the color) 66±2 (by volume) (differs according to the color)
Application Thinner	Polyurethane thinner
Hardener Ratio	90:10 (by weight)
Pot Life	6-8 hr. /20°C,200 g.
Application Method	pneumatic injection, airless injection, dipping, electrostatic, roll
Consumption	11-12 m ² / lt (50 μ dry film thickness)
Application Viscosity	8-25 sec. /DINCUP4/20°C
Drying Time	Surface dry: 20 min. 20°C Dry to touch: 60 min. 20°C Montage dry: 8 hr. 20°C Furnace dry: 30 min. 80°C
Flash Point	> 21°C

CHEMICAL

STRENGTH

Sulfuric acid (H ₂ SO ₄) %10	3
Sulfuric acid (H ₂ SO ₄) %20	3
Hydrochloric acid (HCl) %10	3
Hydrochloric acid (HCl) %20	3
Acetic acid (CH ₃ COOH) %10	1
Lactic acid (CH ₃ CHOH-COOH) %20	2
Formic acid (HCOOH) %10	2_1
Formic acid (HCOOH) %20	1
Xylene	1
Ethyl alcohol	1
Solvent naphta	1

3- Extra strong

2- Strong

1- Not strong

_ Tendency

MECHANICAL RESISTANCE

Wear Resistance (Taber)	75 mg 1000 rev	EN 1504-2
Adhesion strength through pull-out	>2,0(1,5)b	EN 1504-2
Shock Resistance test	Class III	EN 1504-2
Capillary water absorption and water permeability	<0,1 kg\m ² . h0,5	EN 1504-2

Application

HB Polyurethane end layers BILIZO TOP COAT 400 component A is mixed with component B in the ratio of 90:10 by weight. If necessary, 5-15 % polyurethane thinner is added to adjust the application viscosity.

Storage

The packing of the product must be closed and its label informations must be complete. The expiration date of the product must be followed according to FIFO (First in First Out) rule. The storage conditions must be dry, cool and well ventilated. The product must be stored according to the technical safety informations and legal obligations. . It has a shelf life of 12 months in a close storage without moisture at 15–25 0C, in its original unopened package.

Safety Measures

Please pay attention to the safety signs and warnings on the packet. You should follow the safety and health instructions of the Material Safety Data Sheet (MSDS) that is prepared by certified technical team, according to international standart. Sufficient air-conditioning must be obtained by the time of application. Mask and gloves must be worn. Do not make direct contact or breath the vapour. Keep the product away from open flame resources.

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.