



MAXURETHANE® COMFORT FINISH

HIGH-PERFORMANCE FLEXIBLE POLYURETHANE COATING FOR FINISHING OF MAXURETHANE® COMFORT SYSTEM



DESCRIPTION

MAXURETHANE® COMFORT FINISH is a solvent-free, flexible, two-component polyurethane coating applied in 2 mm for final layer of the **MAXURETHANE® COMFORT** comfortable flooring system.

MAXURETHANE® COMFORT FINISH can be mixed with siliceous aggregate of selected granulometry to obtain a high-performance fluid mortar provides a high-thickness finish and comfortable texture.

APPLICATIONS

- Continuous fluid coating with high mechanical and chemical requirements on the **MAXURETHANE® COMFORT ROLL** elastic blanket in the **MAXURETHANE® COMFORT** comfortable flooring system.
- Specially designed for comfortable flooring systems in gymnasiums, technical rooms, laboratories, showrooms, recreational areas, play areas, commercial premises, offices, etc.
- Flooring design with high noise impact reduction and high shock absorption.

ADVANTAGES

- Excellent fluidity, allowing high yields to be achieved.
- Very good flexibility and resistance to low temperatures, withstands substrate movements without stress.
- Very good chemical resistance to a wide range of chemical agents: oils and greases, fuels, dilute acids and bases, salt solutions, solvents, etc.
- High resistance to abrasion and scratching.
- Compact, continuous, uniform surface with an anti-dust finish. Easy to clean and maintain.
- Fast curing.
- Non-toxic, solvent-free and non-flammable, ideal for application in poorly ventilated areas.

APPLICATION METHOD

Substrate preparation

MAXURETHANE® COMFORT FINISH is specially designed for application on the **MAXURETHANE® COMFORT ROLL** elastic blanket, once the **MAXURETHANE® COMFORT FILLER** has cured. If unevenness or small imperfections are detected in the cured filler, lightly sand by manual means to provide flatness of the support. The surface must be clean, free of loose particles, dust, or other substances that could affect adhesion.

Mixing

MAXURETHANE® COMFORT FINISH is supplied as two-component pre-weighted sets. Premix the components separately, and then pour fully the hardener component B, on the resin component A. Mix mechanically by low-speed drill (300-400 rpm. maximum) fitted with a mixer suitable for liquids, about 2-3 minutes until achieving a homogeneous product in colour and appearance. Do not mix for prolonged period nor use high-speed mixer, which may heat the mixture or introduce air bubbles.

To prepare a fluid mortar, pour the mixed binder (A+B) into a clean container, and then add the dry and clean silica sand **DRIZORO® SILICA 0204**, while mixing well until achieving a homogeneous mortar in colour and appearance. The binder:aggregate mixing ratio is 1:0,5 by weight (12,5:25).

Pot life for mixture at 20°C is 25 min. Higher temperatures reduce this time.

Application

On the surface of the properly prepared **MAXURETHANE® COMFORT ROLL** elastic blanket, pour the fluid mortar and distribute evenly with a notched trowel in a recommended thickness of 2 mm. Before material begins to set, from 10 min, use a spiked roller to obtain an optimum finish and remove possible air bubbles on surface.

Application conditions

Avoid applications if contact with water, moisture, condensation, dew, etc., is expected during the first 24 hours. The optimal working temperature range is from 5°C to 30°C. Do not apply with substrate and/or ambient temperatures below 5°C or if lower temperatures are expected within 24 hours of application. Do not apply on frost or frozen surfaces. The temperature for substrate and environment shall be at least 3°C higher than dew point.

Do not apply when the relative humidity is above 85 %. Measure relative humidity and dew point in applications close to marine environment. If the temperature is lower or the relative humidity is higher than the values indicated, the appropriate conditions must be created by means of hot air and its renewal. Applications above 30°C lead problems of excess reactivity and heat release, as well as a great reduction in the pot life of the mixture.

Curing

Allow **MAXURETHANE® COMFORT FINISH** to cure at least 72 hours for pedestrian traffic, at 20°C and 50 % R.H. Applications at lower temperatures, high humidity and/or poor ventilation conditions require longer curing time.

Cleaning

All tools and equipment must be cleaned with **MAXSOLVENT®** immediately after use. Once cured, it can only be removed by mechanical means

CONSUMPTION

The estimated consumption for fluid mortar is 1,8-2,0 kg/m²·mm thick (about 1,4 kg/m² of A+B resin and 0,7 kg/m² of **DRIZORO® SILICA 0204** per mm). An average thickness of 2 mm maximum is recommended.

PACKAGING

MAXURETHANE® COMFORT FINISH is supplied in 25 kg pre-weighted sets. It is available in grey, red, green and white.

IMPORTANT INDICATIONS

- For outdoor applications, i.e. exposed to UV rays, matte finishes or the application of an additional

sacrificial layer, protect the comfortable system with **MAXURETHANE® 2C-W**.

- The surface humidity for substrate must be less than 5 %. Allow time for the substrate to dry after rain, dew, condensation, or other inclement weather, as well as after cleaning the substrate.
- **DRIZORO® SILICA** must be perfectly dry before mixing with **MAXURETHANE® COMFORT FINISH**.
- Observe the minimum and maximum recommended consumptions.
- Do not add water, solvent or other compounds.
- For any applications not specified in this Technical Bulletin or additional information, please consult with Technical Department.

STORAGE

Twelve months in its original closed and undamaged packaging. Store in a dry place, protected from moisture, frost and direct exposure to the sun, with temperatures of 5°C to 35°C. Storage at higher temperatures can lead to increased viscosity.

Prolonged storage below the indicated temperatures can cause the crystallization of the product and/or increase in its viscosity. In this case, to restore the product to its normal conditions, it must be heated to a moderate temperature while it is shaken gently and regularly.

SAFETY AND HEALTH

MAXURETHANE® COMFORT FINISH is not a toxic product, but it is abrasive in its composition. Avoid contact with skin and eyes, as well as inhalation of dust. Use gloves and safety glasses when handling, mixing and applying the product. In case of contact with the skin, wash the affected area with soap and water. In case of splashes or contact in the eyes, wash with plenty of clean water without scrubbing. If irritation persists, go to the medical service.

Consult the Safety Data Sheet **MAXURETHANE® COMFORT FINISH**.

The disposal of the product and its packaging must be carried out in accordance with current legislation and is the responsibility of the final consumer of the product.

TECHNICAL DATA

Product characteristics	
CE Marking, EN 13813	
Description: Self-levelling synthetic resin paste. EN 13813 SR-B2,0-AR0,5-IR24,5.	
Uses: Indoors for finishing comfortable flooring.	
General appearance and colour. Component A	Pigmented liquid
General appearance and colour. Component B	Yellowish liquid
Colour for A+B	Grey, white, red and green
A:B mixing ratio, (by weight)	5,67:1
(A+B):C mixing ratio as fluid mortar, (by weight)	1:0,5
A+B+C solids content, (% , by weight)	100
VOC content (g/l)	0
A+B density, (g/cm ³)	1,37 ± 0,1
A+B+C (0,2-0,4 mm) density, (g/cm ³)	1,57 ± 0,1
Flash point	Non-flammable
Application and curing conditions	
Application conditions, T (°C) / R.H. (%)	5-35 / < 85
Pot life at 20°C, (min)	25
Drying- time between coats at 20°C, (hours)	10-12
Curing time at 20°C, (h) - Pedestrian traffic/ light traffic	48 / 72
Cured product characteristics	
Flexural strength 28 days, EN 13892-2 (MPa)	> 1,5 (F1)
Compressive strength at 28 days, EN 13892-2 (MPa)	> 6,9 (C5)
Adhesion on concrete after 28 days, EN 13892-8 (MPa)	2,1 (B2,0)
Impact resistance, EN ISO 6272 (Nm)	IR24,5
BCA wear resistance, EN 13892-4 (µm)	10 (AR0,5)
Elastic modulus (kN/mm ²)	0,03 (E1)
Thickness / Consumption*	
Fluid polyurethane mortar	
- Mixing ratio binder:resin: DRIZORO SILICA 0204 (by weight)	1:0,5
- Thickness per application, (mm)	2
- Consumption of mortar, (kg/m ² ·mm thickness)	1,8-2,0

* Consumption will depend on the texture, porosity and irregularities of the substrate, and the application method. Perform an on-site test to determine its exact consumption.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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