

## INNO-FLOOR FOX MARINER ADHESIVE FF323

### Polyurethane Based, One Component, D4 Wood Adhesive for All Difficult Conditions

#### Description

**FOX MARINER ADHESIVE FF323**, Polyurethane-based, one-component, high water resistance (D4 - DIN EN 204) and heat resistance up to 120°C, used for bonding all kinds of parquet, wood coatings, ceramics, rubber, glass and general-purpose products to the floor, it is a solvent-free adhesive.

#### Usage Areas

- Indoors and outdoors,
- On concrete floors,
- Bonding all kinds of parquet and wooden floor coverings to the surface,
- It is used for bonding Concrete, Granite, Ceramic, Marble, Rubber, Glass materials.

#### Advantages

- It can be used indoors and outdoors.
- Provides high adhesion strength.
- It has high water resistance.
- It has heat resistance up to 120°C.
- It has very good homogeneous spreading property.
- It does not shrink even when applied thickly.
- Solvent free.
- Provides flexible adhesion.
- After complete hardening, it is resistant to humidity and external weather conditions.
- It is used for all types of parquet.
- Suitable for floors with underfloor heating.

#### Technical Data

Structure of Material	Polyurethane
Density	1,15±0,05 kg/lit
Color	Whitish, Cream
Workability Time	45 - 60 minutes
Percentage of Solid Materials	%100
Final Hardening	Curing with moisture
Workability Temperature	+10°C / +30°C

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

#### Test Results according to EN 204 Standard

Durability Class	Conditioning Classes*	Minimum Desired Values According to EN 204 Standard	Test Results
D4	1	≥10 N/mm <sup>2</sup>	11,3 N/mm <sup>2</sup>
D4	3	≥4 N/mm <sup>2</sup>	4,4 N/mm <sup>2</sup>
D4	5	≥4 N/mm <sup>2</sup>	5,1 N/mm <sup>2</sup>

\* Conditioning Classes;

1- 7 days in standard weather conditions

3- 7 days in standard weather conditions, 4 days (at 20°C) in water

5- 7 days in standard weather conditions, 6 hours in boiling water, 2 hours in water (at 20°C)



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### Surface Quality

The concrete substrates on which the application will be made must be strong and have sufficient compressive strength (minimum 25 N/mm<sup>2</sup>), tensile strength must be at least 1.5 N/mm<sup>2</sup>, humidity ratio must be maximum 4%, ground temperature must be minimum +8°C. In addition, care should be taken to ensure that the dew point of the floor is above +3°C. The substrate must be clean, dry and free of foreign materials such as all kinds of dirt, oil, grease, coating and surface curing materials.

### Application Procedure

#### Surface Preparation

Concrete substrates on which the application will be made should be prepared using abrasive equipment (Shot Blasting, milling cutter, diamond grinding, etc.) to remove the cement grout and obtain an open porous surface. Weak concrete pieces should be removed from the surface, small gaps and holes should be made completely open. The resulting dust should be cleaned with the help of industrial vacuum cleaner.

#### Application Conditions

- Surface moisture content should be below 4%.
- According to ASTM, there should be no rising humidity. (Polyethylene cover test).
- Relative air humidity should be 80% maximum.
- Pay attention to dew and condensation!
- Dew and water vapor condensation on the untreated or newly coated floor will damage the coating. To prevent this, the ground temperature must be above +3°C.

#### Watch Points while Application

Surface Temperature ; Minimum +10°C - Maximum +30°C  
Ambient Temperature ; Minimum +10°C - Maximum +30°C  
Material Temperature ; Minimum +10°C - Maximum +30°C

### Mixing

The product is ready to use as a single component, it does not need mixing.

### Application

**FOX MARINER ADHESIVE FF323**, can be applied by pouring onto the surface and spreading it on the floor with a suitable toothed comb (A2 trowel). After 10-15 minutes, the coating can be glued to the floor. Coating joint welding can only be done 24 hours after application. In floors with underfloor heating, the heating system should be started 10 days before the coating and turned off during the coating. The system can be operated again 72 hours after laying.

### Cleaning of Tools

Tools and equipment used after the application should be cleaned with solvent while the product is still wet. After **FOX MARINER ADHESIVE FF323** hardens, it can only be removed from the surface by mechanical methods.

### Coverage

It is variable.

### Package

5 kg plastic bucket

### Shelf Life

Shelf life is 6 months from the date of production when properly stored at room temperature, away from direct sunlight between +5°C and +30°C.

### Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. In short-term storage, maximum 2 pallets should be placed on top of each other and shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

### Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of soap and water. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, the Material Safety Data Sheet should be consulted.



### Disclaimer

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