

# D-FLEX BITU AQUA

ONE-COMPONENT, POLYURETHANE-BITUMINOUS LIQUID WATERPROOFING MEMBRANE

APPLICATION WITHOUT RISTRCTIONS

EASY APPLICATION

CONSTANT LAYER THICKNESS UNDER TILE



## PACKAGING

20 kg (plastic containers)



## CONSUMPTION

~ 1.0 - 1.5 kg/m<sup>2</sup>

## CONDITION OF APPLICATION

It can be applied on extreme weather conditions and intense temperature changes.

## TYPES OF SUBSTRATES

Any type of substrate.

## RECOMMENDED

Urban and industrial use.



## SHADES

Black



## STORAGE

Store in well-sealed containers without any problems for up to 12 months, from the production date in cool and dry place.

## DESCRIPTION

**D-FLEX® BITU AQUA** is a one component thixotropic liquid membrane, asphalt-polyurethane dispersion base. The produced membrane is characterized by high elasticity and mechanical strength, while it offers excellent adhesion to many types of surfaces. It is used on horizontal and vertical surfaces.

## ADVANTAGES / CHARACTERISTICS

- Thixotropic
- Easy application (brush or roller)
- Continuous, elastic membrane without seams and joints.
- It is based on elastomeric hydrophobic polyurethane resin
- Resistance to extremely low temperatures (up to -30°C), maintaining its elasticity.
- Provides water vapor permeability so the surface can breathe
- In case of membrane damage, it is repaired locally with the same material without removing the existing one, in a few minutes.
- Excellent resistance to chemical attack.
- Suitable for vertical applications with permanent results

## APPLICATION FIELDS

Recommended for: basements (foundations), retaining walls, damp areas, bituminous membranes, application under tiles (after applying quartz sand on the last layer), gypsum boards, cement boards, as well as for use on roofs, terraces and balconies before covering them.

## SUBSTRATE PREPARATION

The substrate preparation must be dry (humidity content < 5%) and clean, free from dust, oils, salts, rust, old paints and other foreign substances, while corroded parts must be removed. In case of new concrete, it must be at least 28 days old. The surface must be cleaned with water under pressure, after which it must be completely dried. Damaged surfaces must be repaired with the appropriate products.

- **On concrete surfaces**, discontinuities or cavities must first be filled with repair material, while large cracks must be primed with DESMOFLEX® EPOXY PRIMER. Next, they are sealed with polyurethane mastic ELASTO PU before applying the product. All porous surfaces must be primed before application. In the case of new concrete surfaces, priming is not considered necessary.

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- On smooth, non-absorbent surfaces, as well as on bituminous membranes and old waterproofing layers, priming with DESMOFLEX® EPOXY PRIMER precedes.
- In case of non-absorbent surfaces, they must be dry and clean as they must be free of corroded parts and rust. The preparation of the substrate is done by sanding, brushing, water jetting, sandblasting, etc. Before priming with DESMOFLEX® EPOXY PRIMER, the consequences of cleaning are removed with a paint brush, brush or air.

### APPLICATION TOOLS AND CLEANING

The application is done with a brush or roller, 6-12 hours after the application of the primer and no more than 24 hours, and while the surface is still sticky.

Immediately after use, drain the material well in the container and clean all tools with soap and water. Do not empty washing liquids into the water table. In the case of a role-based application, this should be single-use

### APPLICATION

- 1 Open the lid and stir the product with a drill at low speed (300 rpm), for about 2-3 minutes.
- 2 The product must be applied on the primed surface, at least on 2-3 layers, emptying it with the help of a roller or brush until the entire area is covered.
- 3 The second layer must be applied after 12 hours and before 24.

Application of **D-FLEX® BITU AQUA** is not recommended on loose and unstable surfaces, for sealing pools with chemically treated water, while after its application it must be covered.

### PRECAUTIONS

About information regarding safe use, storage and disposal of the product, read the information on the label and on the most recent product Material Data Sheet. The product Material Safety Data Sheet is available upon request to professionals.

The skin and eyes must be protected. Protective gloves and goggles must be worn when applying the product. In Case of contact with the eyes, rinse immediately with plenty of water and consult a physician. The product should be kept out of the reach of children.

Leftovers should not be disposed of with household waste. Advice should be sought from the local authority regarding the disposal and collection of waste.

National poison information center tel.: 210 77.93.777.

### WARNINGS-INFORMATION

**D-FLEX® BITU AQUA** must be used in a well-ventilated area. The application should always be done with the use of masks with activated carbon filter due to volatile organic compounds.

Not suitable for surfaces with low cohesion.

In surface connections such as wall-floor, water pipes, chimneys, pipes, etc. to be reinforced with THRAKON FABRIC by encasing it inside **D-FLEX® BITU AQUA**.

Do not come into contact with water for pools.

For professional use only.

The technical information and guidelines in this brochure related to the application and end-use of THRAKON products are based on the Company's current expertise and experience on the products and are given in good faith provided they are properly stored, used and applied in accordance with the guidelines given by THRAKON. Given that we are unable to directly inspect the conditions that prevail at the worksite as well as the application of the product, the Company shall not provide any guarantee regarding the suitability of its products for any particular purpose and disclaims any legal responsibility that is based on written information in this brochure or on written or oral or otherwise provided recommendations and guidelines. By applying the product on a small surface, the users are advised to test the product's suitability for the intended application and purpose. THRAKON reserves the right to amend the properties of its products without prior notice. All orders are accepted only after acceptance of the above and under the Company's respective Trade Policy terms. This version of the technical data sheet automatically cancels any previous version.

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## ONE-COMPONENT, POLYURETHANE-BITUMINOUS LIQUID WATERPROOFING MEMBRANE

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUES/CHARACTERISTICS
Chemical composition	asphalt-polyurethane dispersion base		
Color			Black
Viscosity (25°C)	(cp)	Brookfield	20.000
Elongation at break	(%)	ASTM D412	> 500
Tensile strength at break	(N/mm <sup>2</sup> )	ASTM D412	> 4,5
Adhesion to concrete (23°C)	(N/mm <sup>2</sup> )	EN 1542	> 1,0
Accelerated aging test (QUV)	(h)	ASTM G154	1000 - Passed
Operating temperature	(°C)		-30 to 80°C
Recoating time	(h)		12 to 24
Curing time (25°C / 55% Σ.Y.)	(h)		10

**Note:** The measurements were taken in laboratory environment under temperature of 23 ±20C, Relative humidity 50% and without ventilation. They may vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation and absorbability of the substrate.

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