KRONGUM
ACOUSTIC & WATERPROOFING SOLUTIONS

POLYBITKRON PU

One-component bitumen-polyurethane waterpoofing coating

ADVANTAGES

- Easy to apply by brush, roller or airless spray.
- Long-lasting waterproofing and protection.
- Highly resistant to stagnant water. Does not peel off.
- Forms a seamless membrane with no joints with high adhesion to the substrate, avoiding lateral water migration in case of damage, allowing easy local repairs.
- Excellent resistance to rain water and frost.
- Excellent crack-bridging and elastic properties even at very low temperature (-40^{O} C).
- Excellent thermal resistance. The membrane does not turn soft or tacky at high temperatures (+80 °C).
- No primer needed on most common substrates. Special primers are however available, when necessary.
- Does not release any dangerous substances once fully cured.

APPLICATION FIELDS

Waterproofs and protects:

- Flat roofs, basements, tanks, balconies, terraces, flowerbeds, cut and cover tunnels.

KRONGUM SOLUTIONS S.R.L
Adresa: Strada Valea Larga nr. 47.
505600 Sacele (BV) Romania
Tel. + 40 740 431 146
Email: office@krongum.ro Website: www.krongum.ro

MADE IN ITALY

KRONGUM
ACOUSTIC & WATERPROOFING SOLUTIONS

SURFACE PREPARATION

- Ensure that loose parts, crumbling or non-sticky parts, paint, rust, dust and release agents are removed. Carefully clean the surfaces, which must be solid, even and dry.
- Do not wash the substrate prior the application of the coating
- **Make sure that concrete surfaces moisture is lower than 5%.**
- Joints and cracks should be previously sealed with **KRONSEAL PU.**

APPLICATION

- **POLYBITKRON PU** can be applied without use of a primer, by roll, brush or airless spray, in 2-3 layers. On dusty/porous concrete surfaces it is however recommended **PRIMERKRON PU** in order to improve the adhesion of **POLYBITKRON PU.**
- On concrete substrates containing more than 5% humidity or non absorbent surfaces like metal or ceramic tiles, it is advised the application of **EPOXYKRON PRIMER AB**, the Krongum epoxy water-based primer, which will work as vapour barrier.
- To improve mechanical features of **POLYBITKRON PU** especially on big areas and details (corners, pipes, etc.), apply wet-on-wet between the first and following layers, the 70 gr/m^2 non-woven polyester reinforcement **TEXKRON.**
- Time interval between each coat is 90 minutes at least and no longer than 48 hours. When primer is applied, the first coat of **POLYBITKRON PU** can be applied not earlier than 1 hour and not later than 24 hours from the application of the primer.
- In case of airless spray application of **POLYBITKRON PU**, it is suggested the dilution of the product with Xylene thinner up to 10%. Never dilute the product with water. Avoid long exposure to U.V. of the product.
- After use, clean the tools with Xylene thinner when the product is still fresh. When hardened the product can be removed just mechanically.

CONSUMPTION

A minimum consumption of 1,1-1,3 lt/m^2 (1,4 – 1,7 kg/m^2) is recommended. However, the consumption depends on the porosity of the substrate. Avoid application of **POLYBITKRON PU** more than 0,8 kg/m^2 per coat as this could lead to bubble entrapment inside the coat. The product must be fully used once opened. However, if used partially, the remaining part in the bucket forms a superficial hardened layer which, if removed, allows further use of the fresh part below.

KRONGUM SOLUTIONS S.R.L
Adresa: Strada Valea Larga nr. 47.
505600 Sacele (BV) Romania
Tel. + 40 740 431 146
Email: office@krongum.ro Website: www.krongum.ro

MADE IN ITALY

TECHNICAL CHARACTERISTICS

Viscosity	EN 3219	2000-3000 mPa.s
Density (21 °C)	EN 2811-1	1.30 gr/cm3
Temperature variations resistance		-40 to 80 °C
Maximum short term temperature (15 min)		150 °C
Surface membrane formation time (23 °C, 50% R.H.)		45-75 min.
Elongation at break point	DIN 53504	1000%
Tear resistance	ISO 34	10 N/mm
Puncture resistance	ISO 12236	280 N
Resistance to hydrostatic pressure	DIN 16726 (30 m column)	No leak
Tensile strength	DIN 53504	2,2-2,5 N/mm^2
Hardness shore A	DIN 53504	60 – 70
Thermal resistance	80°C for 100 days	No changes
Hydrolysis resistance	5% KOH – 7 days	Pass
Chemical resistance (hydrcarbons, alkali solutions, detergents, seawater, mild acid solutions)		High resistance
Adhesion on concrete with primer	EN 1542	1,7 N/mm^2
Water vapour transmission at 1.4 mm thickness		3,54 g/m^2/day
Carbon dioxide permeability at 1.4 mm thickness		0,32 g/m^2/day
Crack bridging prorerties (1.4 mm thickness, -30 °C)		3,3 mm
Curing time – light pedestrian traffic		12 h
Final curing time		3 days

COLOR

- Black

PACKAGING AND STORAGE

- 6 - 25 Kg metal buckets
- Shelf life: 12 months in sealed packaging stored in dry and cool places

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline If at all in doubt, preliminary tests should be carried out. Krongum Solutions S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Krongum Solutions S.r.l. disclaims any liability arising from non-compliance with the instructions given in this technical data sheet and with the guidelines specified in the safety data sheets. Clients are kindly requested to verify that they are in possession of the current edition.

KRONGUM SOLUTIONS S.R.L
Adresa: Strada Valea Larga nr. 47.
505600 Sacele (BV) Romania
Tel. + 40 740 431 146
Email: office@krongum.ro Website: www.krongum.ro