



### Product Overview

It is a single-component, polyurethane-based, UV-resistant liquid waterproofing solution. It creates a robust insulation layer with exceptional adhesion to diverse surfaces. It exhibits high resistance to tension, tearing, and abrasion. Its permanently elastic composition ensures superior crack-bridging properties.



### Application Domains

- Roofs and terraces,
- Insulation of roof eaves and rain gutters,
- Waterproofing of areas including bathrooms, kitchens, and balconies (undercoating),
- In current applied polyurea repairs,
- Lightweight roofing constructed from metal and fibrous materials
- It is applied with an appropriate primer on concrete, wood, and metal surfaces.



### Technical Specifications

Colour	Ivory, Ash
Flash Point	>40oC
Walkable Duration	8-12 Hours
Viscosity	4000-7000
Re-layering	8-12 Hours
Hardness (seven days)	60-65 Shore A
Tensile Strength	>3 N/mm2
Elongation at Fracture	>%600



### Advantages

- It is cold-applied and can be effortlessly applied using a roller, trowel, or brush.
- Can be utilized without attachments.
- It possesses significant elasticity.
- It is prepared for use.
- It is impervious to standing water.
- It remains unaffected by adverse weather conditions.
- Appropriate for light foot traffic.
- It retains its physical properties at -30°C/+90°C.
- Repair is feasible.
- Ensures optimal adherence to the surface upon which it is applied.
- Offers significant resistance to chemicals.
- It possesses significant elongation, tensile strength, tear resistance, and abrasion resistance.



### Surface Preparation

Mechanical surface preparation (such as blastrack and rotatiger) is essential. The resulting dust layer should be removed using industrial vacuum cleaners, ensuring that the application surface is sound, dry, and clean. All dust, oil, paraffin, bitumen, and other contaminants that could hinder adhesion must be eliminated, along with any loose particles such as mortar and plaster. Edges and corners should be beveled to approximately 4x4 cm. The concrete must meet a minimum quality of C20/25 and be at least 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm<sup>2</sup>, with humidity at 4% and surface temperature at +8 °C. Relative humidity must be measured and should remain below 85%. The success of the application is contingent upon proper surface preparation and the correct utilization of the material.



### Mixture

It is a single-component, ready-to-use formulation. To ensure a homogeneous mixture, the product temperature must be maintained at 15°C. Prior to application, the material should be blended with a low-speed mixer (300-400 rpm) and the suitable nozzle until uniform.



### Application Details

PU-7301 can be applied using a roller, fine-notched trowel, sprayer, or brush. The initial coat should be applied uniformly to the surface with the selected method. The subsequent coat is to be applied approximately 12 hours later, utilizing the same technique. The interval between coats must not exceed 24 hours. Should the time between coats surpass 24 hours, the surface must be sanded to prepare for the second coat. The material must be safeguarded against water, rain, external elements, and mechanical impact until it has completely cured. It is important to note that the waiting period may be shorter in warm weather and longer in cooler conditions.



### Consumption

1,5 – 2,5 kg/m<sup>2</sup>



### PACKAGING

5 kg and 20 kg tins



### Shelf life

It must be safeguarded against unfavorable weather conditions. It should be kept in a dry, cool, enclosed environment (between +10°C and +25°C).



### Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packages should be stored for a minimum of 24 hours at a temperature no lower than +15°C prior to application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and similar climatic conditions until it is entirely dry.
- Avoid approaching with open flames and refrain from smoking during application.
- Utilize gloves, goggles, and protective attire.
- In the event of skin contact, cleanse with soap and abundant water.
- Do not ingest, do not utilize empty containers for food storage, and do not dispose of them in fire.