

PUcoat is defined as a **single component UV resistant, highly elastomeric substance** designed as a heavy-duty terrace waterproofing liquid membrane system based on polyurethane.

Key Properties and Advantages

The PUcoat system provides **100% waterproofing capacity** and high mechanical strength. Key advantages include its excellent resistance to both UV rays and temperature, which helps **reduce the room temperature inside the building by up to 3 degrees Celsius**.

The system offers outstanding crack protection due to its high crack bridging property, which is specifically documented as being **up to 3 mm**. It is highly elastic, flexible, weatherproof, and anti-fungal*. When used, it eliminates the need for plastering, resulting in a plaster-free, washable surface.

Technical Data

Technically, PUcoat is described as a Milky White Pourable substance that functions using a Synthetic anionics emulsion emulsifying system.

Property	Result
Total Solid (%)	59 ±1
pH at 25°C	7 - 8
Specific Gravity	1.25 ± 0.01
Drying time	4 hours
Elongation	300
Finish	Smooth and Uniform

Typical Uses

PUcoat is suitable for waterproofing and repairing various structures, including:

- Roof tops, Roof terraces, and Balconies.
- Kitchens, Basement structures, Sewage tanks, and Channels.
- Repairing Valves, Ceilings, and Asbestos panels.
- Joining old concrete to new concrete.

Application Method

The application of PUcoat involves several preparatory and coating steps:

1. **Surface Preparation:** The surface must be cleaned strictly, including all edges and corners, to remove dust, dirt, oil, grease, and fungus, typically by using a wire brush or scrubbing.
2. **Priming:** Apply Banwet's SBR Latex or Cementitious substance evenly with a brush and allow the primer to dry.
3. **Crack Filling:** Once the primer is dry, all cracks above 1mm must be filled using Banwet's crack filling substance.
4. **Coating:** Apply the first coat of PUcoat evenly on the primer with a brush.
5. **Multi-Coating:** After the first coat has dried, apply a second coat, and repeat this process for a total of **three times**.
6. **Expansion Joints:** Special care is needed for areas with expansion joints, which may require a fourth or fifth coat.

The product yields a coverage of **20 square feet per 1 liter of PUcoat** when applied in 3 coats.

Storage and Safety

PUcoat has a shelf life of **3 years** from the date of manufacturing, provided it is stored in unopened condition in a cool and dry place. For health and safety, users must avoid contact with skin/eyes and wear suitable protective clothing, gloves, and eye protection. Adequate ventilation is necessary to avoid inhaling the vapour.