



# MIXSEAL PU600E

ELASTOMERIC WATERPROOFING MEMBRANE POLYURETHANE BASE, UV RESISTANCE

Update: 08/2022

## Product description:

**Mixseal PU600E** is a waterproofing membrane, one component, polyurethane based, supplement weather resistance chemicals, cold-applied, moisture cured. To provide a continuous, seamless, waterproofing membrane for structures.

## Uses:

- Waterproofing for exposed areas (exposure to extreme weather): balcony, roofs, garden;
- Waterproofing for indoor areas: kitchen, toilet, technical rooms;
- As water barrier under plasters, screeds or tile for basement structures, pool, tanks;

## Advantages:

- Excellent waterproof, good adhesion, UV resistance;
- Liquid apply seamless, easy to use for edge or special shapes;
- High elongation (>600%), excellent cracks bridging (up to 3.2mm);
- Chemical resistance: mild acids, alkalis, water-borne salts, biodegrade.

## Technical Data

Specification	Standard	Value
Shore A Hardness	ASTM D2240	> 40
Tensile Strength	ASTM D412	> 2.0 N/mm <sup>2</sup>
Elongation @ Break	ASTM D412	> 600%
Adhesion to concrete	ASTM D7234	>1.0 N/mm <sup>2</sup>
Tear strength	ASTM D624	> 10 N/mm
Crack bridging (10 times)	ASTM D1305	3.2mm, no crack
Dry time		Touch: >5 hours Cured: >24 hours
Colour		Grey, green...

## Package:

- Metal pail: 2.5 or 22 Kg.

## Coverage:

- Coverage: 0.6 - 1.0 kg/m<sup>2</sup>/layer;
- Always apply at least 2 layers, unless otherwise specified by manufacturer. In some cases reinforced by glass fiber or polyester grid.

**Surface preparation:**

- Concrete / cementitious base surfaces must be enough 28 days;
- The substrate must be sound, clean and monolithic. Cement laitance, mildew, oil, grease, etc... must be removed;
- Honey-combs, voids, rough surfaces, exposed rebar and cracks shall be leveled with non-shrink grout or filler mortar;
- Wet surfaces or special surfaces (as bituminous, asphalt): request a special primer.

**Application:**

- Apply primer layer and wait to dry;
- Shake Mixseal PU600 pail. In some case mix until homogeneous;
- 1<sup>st</sup> Layer: Apply with a paint roller, brush or airless spray and allow the membrane to become touch-dry before applying the second coat, dry time about 3 - 24 hours or sooner depending on ambient conditions;
- 2<sup>nd</sup> Layer: Apply perpendicular to the first coat;
- Use a paint brush to sweep angles, edges, gaps, etc... so that the surface of the waterproofing is covered and continuous.
- Surface temperature/Air temperature: about 5°C - 45°C
- The ponding water test can be conducted after the waterproofing membrane cured;
- To maintain color, impact resistance, should be applied the Mixseal Topcoat 2K layer (trafficable areas or long-term exposed UV light).

*Note Can be diluted by Toluene but not over 3% volume*

**Safety & health:**

- Avoid direct contact with skin, wear suitable protections (gloves, goggles ...) while manipulating;
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

**Storage and self life:**

- Storage in a cool and dry space, temperature from 5-35°C;
- Self life: 12 moth when unopened, undamaged original packaging



**Note:** Mixseal warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to Mixseal shall be limited to replacement of the material proven to be defective, and Mixseal shall in no case be liable otherwise or for incidental or consequential damages. Mixseal makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith..