



MIXSEAL PUA500

TWO COMPONENT PU/PUA WATERPROOFING MEMBRANE, HIGHLY ELASTIC

Update: 11/2023

Product description:

Mixseal PUA500 is a waterproofing membrane, two component, polyurethane/polyurea based, hand-applied. To provide a continuous, seamless, waterproofing membrane for structures.

Uses:

- Protect coating.
- Waterproofing for roofs, exposed areas (request a UV resistance, heat resistance layer);
- As water barrier under plasters, screeds or tile for basement structures, pool, tanks.

Advantages:

- Solvent free (100% solid content);
- Good self-leveling;
- High bonding strength;
- Weather resistance;
- Chemical resistance: salt water, diesel, dilution chemicals.

Technical Data

Specification	Standard	Value
Tensile strength	ASTM D412	>5 N/mm ²
Elongation @ break	ASTM D412	>300 %
Tear Strength	ASTM D624	>30 N/mm
Shore A hardness	ASTM D2240	>70
Adhesion to concrete	ASTM D7234	>2.5 N/mm ²
Touch time		3 ~ 4 hours
Recoat		1 ~ 2 days
Colour		Grey, green...
Chemicals resistance		Salt water, diesel, dilution acid (10-50%)

Package:

- Set 16.2 kg (Part A: 9kg & part B: 7.2kg).

Coverage:

- Coverage: 0.7-1.7 kg/m²/layer;
- Always apply at least 2 layers or unless otherwise specified by manufacturer.

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;
- Metal surfaces: remove rusts, dusts, clean and dry.

Application:

- Apply suitable primer and wait to dry;
- Mix two components follow mix ratio (A:B = 1:0.8) by hand-mixer for 3-5 minutes. Mix only as much material as can be used within 20-30 minutes;
- 1st 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 24-48 hours or sooner depending on ambient conditions;
- 2nd 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;
- Prevent prolonged UV exposure on the membrane. A protective screed or Mixseal Topcoat 2K layer is recommended over trafficable areas or long-term exposed UV light.

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 shelf life:

- Storage in a cool and dry space, temperature from 5-35°C;
- Shelf life: 12 month 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..