

EURO POLYMERS UP-144

UP-144 is a one component, liquid applied Polyurethane waterproofing membrane. Product is widely used, has high elongation and elasticity, withstand thermal expansion of concrete, mortar, ...

APPLICATION RANGE	<ul style="list-style-type: none"> Waterproof membranes outdoors or indoors. Roofs, balconies, exterior walls, water tanks, water retaining structures, tunnels, concrete pipelines for new and renovated projects Bathroom area, toilet, ... If using for outdoor roofs/walls, apply additional UV protection coating UP-266 Top Coat at the rate of 0.25-0.30 kg /m²/2 coats.
FEATURES & BENEFITS	<ul style="list-style-type: none"> Well adhesion to all surfaces such as concrete, mortar, metal, ... High elongation and elasticity High adhesion, low odor Durable and chemical resistant Form a continuous and seamless membrane Easy to apply and repair Can be used for both horizontal / vertical surfaces One-component pure polyurethane Comprehensive waterproofing solution for the overall project Waterproof - water resistant
SURFACE PREPARATION	The substrate should be dry, clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product
PRIMING	Use Euro Polymers UP-100 Primer (dried substrate) or EP-2WT (damped substrate), leave it dry for 1-4 hours (not exceed 48 hours) prior application of UP-144
MIXING	<p>Stir well UP-144 using paint mixer for 1-2 mins before application</p> <p>DILUTION: The dilution is only done when necessary to make the application more convenient (low temperature, rough surface,...). Use 3-5% Xylene by volume, required to mix well using paint mixer in 1-2 minutes before application.</p> <p>Note: The thinner should be tested on a small area to ensure suitability prior to application. Dilution may effect the physico-mechanical properties and drying time of the produc. Absolutely do not mix more than 5% of Xylene thinner</p>
CONSUMPTION	<p>0.60-0.75 kg/m²/coat (do not apply >1.80 kg/m²/coat), 2 coats are required.</p> <p>The coverage might vary depend on the substrate absorbent</p>
APPLICATION	<p>UP-144 can be applied by brush, roller, steel and notch trowel.</p> <p>Leave the 1st applied coat 4-24 hours (not exceed 48 hours) then apply 2nd coat to ensure the good bonding between coats.</p> <p>* For protective motar requirements: apply clean and dry quartz sand to roughen while the final layer of UP-144 is still wet.</p>

Product datasheet

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Version 05

EURO POLYMERS UP-144

PACKAGING & STORAGE

25kg/ pail

Product shelf life is 12 months (at 5-30°C). Keep un-opened pails in dry, well ventilated storage. Avoid any contact with moisture, water and alcohol. Use the product as soon as the lid has opened

TECHNICAL DATA

Product type	1 component Polyurethane
Color	black
Density (25°C)	1.4 - 1.5 Kg/L
Solid Content	≥ 90%
Maximum tensile strength (ASTM D412-16)	≥ 2.0 MPa
Adhesive strength after 7days (ASTM D7234-12)	≥ 1 MPa
Tear strength (ASTM D624-00 (2012))	≥ 12 kN/m
Elongation at break (ASTM D 412-16)	≥ 550%
Water permeability (BS EN 12390-8:2009) (Maintain a water pressure of 5 bar for 72 h)	No penetration
Application temperature	5°C ~ 45°C, Surface humidity : ≤ 80%RH
Dilution (Xylen - Thinner 18)	consider, test the thinner to ensure suitability before application
Crack bridging ability under standard condition (BS EN 14891:2017)	> 2 mm
Theoretical consumption	1,4kg/m ² /mm
Application method	brush, roller, steel and notch trowel

PRECAUTIONS

Should apply in a well-ventilated area, keep away from any smoke, fire source; Use a fan if necessary. Wear a safety equipment such as respirator, glove goggles. In case of contact with eyes, rinse eyes with plenty of water and seek for a physician care as soon as possible. Note that solvents are volatile substances. Please read all information in product data sheet before applying. These information may be updated without prior notice. Please contact us or visit our website for updated technical data and instructions.

DISCLAIMER

All guidance, recommendations, reports and technical data contained in this document are based on information and testing we believe to be reliable and accurate, but the accuracy and completeness of the articles of above inspection is not construed as warranty. It is the user's responsibility to clarify themselves with the information and to check to determine the suitability of the product for its own use, application and work situation. We do not recommend or guarantee that any of the hazards listed here are the only ones that may exist. Neither the seller nor the manufacturer shall be liable to the buyer or a third party for any loss or damage directly or indirectly resulting from the use or inability to use the product. Recommendations or representations, whether written or oral, except as outlined in this document are not binding on the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the appropriate materials and application procedures. Test results have been obtained based on a lab condition and Euro Paint Vietnam Co., Ltd. does not believe that these tests or any other test, are accurate for all environmental conditions.

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