



ARDEX R 116 PP

High Wear Resistance PU Top Coating

High solid content

Excellent wear resistance

UV stable

Good chemical resistance



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High Wear Resistance PU Top Coating

DESCRIPTION

ARDEX R 116 PP High Wear Resistance PU Top Coating is a 3-component solvent-based polyurethane coating. The cured floor provides excellent wear resistance. The system has also good chemical resistance. Outstanding UV resistance performance for exterior application.

SUBSTRATE PREPARATION

The resin substrate must be hard, solid and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agent, laitance, adhesive residues etc. that will inhibit adhesion to the substrate.

MIXING

Use an electric drill fitted with ARDEX recommended paddle. Mix 3 parts of ARDEX R 116 PP until a homogeneous and uniform mix is obtained (premix part B, then add part A and mix them for about 1-2min, finally add part C and mix until a uniform liquid is obtained).

APPLICATION

Pour the mixed material to the application area. Use the smooth trowel to spread and then use the short pile roller to evenly coat the material.

NOTE: The material could only be applied in one coating. The best application temperature range is 15-30° C and the best application humidity is 30-75% in order to achieve the best material workability and effect.

For other application problems, please feel free to consult ARDEX Technical Services.

COVERAGE:

0.1-0.2kg/m² (single coat)

PACKAGING

Part A kg + Part B kg + Part C kg
10Kg/set

SHELF LIFE

Can be kept for not less than 6 months from date of manufacture if stored in original unopened packaging in a dry enclosed place without exposure to direct sunlight with temperature from 5-30° C.

TECHNICAL DATA

General

Color:	liquids of various colors
Appearance:	matt surface(cured)
Abrasion resistance:	~ 15 mg (GB/T 22374-2018)
Hardness:	≥5H (GB/T 22374-2018)
Adhesion with epoxy:	Grade 1
Adhesion with PU:	Grade 1
Drying time (23° C)	
Tack free	5h
Full dry	≤24h
Full Chemical cure	≤7 days
Pot life (23° C)	30min

PRECAUTIONS

Polyurethane resin and curing agent are corrosive and may cause skin irritation when directly contact with eye and skin. Skin contact or swallowing is harmful to health. During the construction and mixing process precautions must be taken: Ensure adequate ventilation, avoid contact with eyes, nose, mouth or unprotected skin. Avoid direct contact without wearing protective gloves, use skin care product as protection if necessary. In case of contact with eyes, rinse under running water immediately and seek medical advice. In case of contact with skin, rinse with soap and water (do not use solvent to clean). Avoid prolonged contact with skin, especially users who have allergic reaction to polyurethane materials. Wear protective gloves, goggles and masks is very necessary. Pay attention to personal hygiene, wash hands when installation is completed or interrupted. Avoid contaminating the inside of gloves when taking off. In case of accident, seek medical advice immediately. For further information please refer to the Material Safety Data Sheet.

The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations.