



ARDEX R 120 PP

Polyurethane body coat

Crack bridging to hairline crack

Solvent – free

Excellent acid resistance

Impact resistance



ARDEX HONGKONG LTD
Unit D, 16/F, CNT Tower, No.338
Hennessy Road,
Wan Chai, Hong Kong
TEL: 852-25296325
FAX: 852-25298615

ARDEX (SHANGHAI) CO., LTD
4F, Bld 2, Guizhong Park, No. 481,
Guiping Rd, Xuhui, Shanghai, PRC
TEL: 86-21 64161800
FAX: 86-21 64161596
P.C.: 200233

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DESCRIPTION

ARDEX R120PP is high performance PU body coating, supplied as two components in pre-measured packs for ease of on-site mixing and use. The cure surface forms a tough, resistant to water and chemicals, with outstanding wearing properties and high chemical resistance properties. Ideally suited for substrate preparation and industry floor system repairing.

AREAS OF APPLICATION

Could be used as self-leveling and high class slip resistance area (eg., ramp area).

SUBSTRATE PREPARATION

The concrete or screed 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. Use degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean. After the above treatment, apply ARDEX R2PE or R7PP as primer before the application of ARDEX R120PP.

MIXING

Use an electric drill fitted with a paint mixer or wing type paddle. Mix one unit of ARDEX R120PP part A and Part B until a homogeneous and uniform mix is obtained.

APPLICATION

Self-leveling flooring: use the notched trowel to apply. Pay attention to the thickness and evenness and the allocation of the workers to ensure the interval is not more than 10min.

Slip resistance flooring: use the notched trowel to apply. Sand broadcasting after initial leveling (about 5 min). Remove the loose sand after cure.

Notes: The ambient substrate and material temperature shall be no lower than 10° C during construction and curing. The relative humidity of the air shall be lower than 85%. Substrate must be clean, sealed. Dust and other debris should be removed using vacuum equipment.

COVERAGE:

About 1.2 kg/mm/ m²
The consumption varies depending on substrate conditions and addition of aggregate.

PACKAGING

Part A 20kg + Part B 6.5kg

SHELF LIFE

Can be kept for 6 months from date of manufacture if stored in original unopened packaging in a dry enclosed place without exposure to direct sunlight.

TECHNICAL DATE

General	
Color:	various colors
Solid content:	approximately 100%
Drying time (23° C)	
Touch dry	4h
Full dry	24h
Full chemical cure	7days
Pot life(23° C)	approx. 60min
Bond strength	≥ 1.5MPa(concrete)
Tensile strength	approx. 3.1MPa
Shore D hardness	≥ 79
GB/T 22374-2018	

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 (MSDS).

WASTE DISPOSAL/LEAK

Any leakage from either part should use sand or other inert materials to absorb and transfer to a safe disposal container. Disposal of waste materials and packaging should comply with local waste disposal regulations. For more information please refer to the health and safety manual.

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.