



ARDEX R 160 P

Polyurethane Coating

Ready to use coating

For areas with light, medium and high traffic

Good chemical resistance



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ARDEX R 160 P

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DESCRIPTION

ARDEX R 160 P is a colored/clear; gloss, matt, satin ready to use solvent base two component coating based on high-quality polyester branched polyurethane resin.

APPLICATIONS

ARDEX R 160 P is used as colored/clear coating for areas with light, medium and high traffic. An extremely finish for interior and exterior use. Designed to resist chemical, ultra violet heat and abrasion, suitable for hard ware areas such as industrial and commercial floor and wall, car park decks, garages, warehouses, pedestrian areas, laboratories, electronic clean room, pharmaceutical, refineries, printing pulp paper, mills, roofing and other industrial plants sectors where chemical resistance are required.

BENEFITS

- Seamless, monolithic application
- Hygienic, easy to clean
- High chemical resistance to wide range of chemical
- Abrasion resistance, against light or high traffic and trolley movement
- Hard wearing floors
- Wide range of colors

SUBSTRATE PREPARATION

Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm². The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure. If substrate moisture exceeded 4%, apply Hydrepoxy ARDEX WPM 300. The substrate must be prepared by vacuum shot blasting and rough contaminations have to be removed by grinding. Cracks, holes and hollows should be properly remedied. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

MIXING

Stir Part A mix for 30 seconds by using a suitable electrical stirrer, then add all of

Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous mix has been achieved.

APPLICATION

By rolling, brushing or spraying. As finish, we recommended to roll in one direction back roll with a wide short-pile roller.

LIMITATIONS

- Do not apply when the relative humidity exceeds 90% on when the surface to be coated is less than 5% above the dew point.
- Do not apply temperatures below 5°C and temperatures above 40°C

TECHNICAL DATA

Colours	Clear, Green, Grey, Red, Cream, Yellow (refer to ARDEX colour chart)
Finish	Gloss, Satin, Matt
Mixing Ratio by weight	Part A : Part B
Coloured, Gloss	4 : 1
Coloured, Satin	4.5 : 1
Coloured, Matt	5 : 1
Clear, Gloss	3 : 2
Clear, Satin	4 : 1
Clear, Matt	4.5 : 1
Pot Life	2 hours
Recommended dry film thickness	±80µ
Adhesion Strength	> 1.5 N/mm
Coverage	approx. 0.13 kg/m ²
Recoat time	Min: 5 - 6 hours Max: 48 hours
Curing time @	20°C / 25°C / 32°C
Human traffic	24 / 22 / 20 hours
Light traffic	36 / 34 / 24 hours
Fully cure	10 / 7 / 7 days

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PACKAGING

ARDEX R 160 P is available in a 5kg, 5.5kg or 6kg set. (depend on the colour and finishing requirements)

STORAGE AND SHELF LIFE

ARDEX R 160 P has a shelf life of not less than 12 months if kept in a dry, cool place between 10°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

SAFETY PRECAUTIONS

ARDEX R 160 P should not come into contact with the skin and eyes or to be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable gloves, goggles and other protective clothing. The use of barrier creams can provide additional skin protection. When working in confined areas suitable respiratory equipment must be used. In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straight away, do not induce vomiting.

The Material Safety Datasheet (MSDS) is available upon request and online at www.ardex.com.sg.

DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the relevant health and safety data sheet.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and

recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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