



ARDEX R 35 E

(Previously ARDEX R 35 PE)

Solvent Free Epoxy Coating

Two-component, solvent-free epoxy coating

Wear resistant – low maintenance costs

Chemical corrosion resistant

Easy to clean

Available in different colors

Gloss finish



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ARDEX R 35 E

Solvent Free Epoxy Coating

Description:

ARDEX R 35 E (previously ARDEX R 35 PE) is a two-component solvent-free epoxy coating. It is wear resistant, easy to clean, and chemical resistant.

ARDEX R 35 E is ideal for engine room, equipment room, power distribution room, office area and other areas require low load and dust.

Surface Preparation

ARDEX R 35 E must be applied on a solid, clean and dry surface to get the highest bond strength.

ARDEX R 35 E should use ARDEX R 2 E as primer.

ARDEX R 35 E thin coating is designed for anti-dust, the thickness of each coat should be about 200 microns.

NOTE: Coating that is too thin will show textures of the substrate, the coating in the texture bumps will be thinner than the other region, which will cause premature wear. Therefore a suitable surface treatment is required. The ideal substrate surface should be smooth, slightly rough and clean. It is recommended to have at least two coatings.

Mixing

Mix ARDEX R 35 E part A for about 1 minute until uniform, add part B, using a low speed electric drill to mix thoroughly for 2 minutes until a homogeneous and uniform mix is obtained. Move the mixture to a large clean bucket and mix again for another minute until homogeneous and uniform.

Note: ARDEX R 35 E will produce heat after mixing, it will lose its working time if be left in the bucket.

Application

Pour the mixed ARDEX R 35 E to the treated substrate. Use a short-haired or medium-haired roller to roll the entire area to make sure the entire surface is covered evenly with no extra fluid.

If the time between two coats exceeds 24 hours, the surface should be mildly polished to increase the adhesion between the two layers.

Working time varies with substrate condition and temperature. The site should have good ventilation. Make sure to remove soft flocks before using a new roller, for any loose flocks will affect the surface finish. The roller should be fully dipped into the material before application.

Construction restrictions

Substrate temperature: 10–30°C

Construction should not be processed when the relative humidity is higher than 80%.

Note: All ARDEX products are produced by the quality assurance procedures strictly. In the area where color balance is strict required, use the same batch of material in the same area as possible.

Cleaning of tools

Immediately wash the tools and equipment with ARDEX RTC tool cleaning agent after application. Cured material must be removed by mechanical methods.

Properties

The following data is measured under 20 °C laboratory condition. Actual performance obtained from the on-site construction may vary.

Physical Properties

ARDEX R 35 E	@ 23 °C	
Operating time	30 minutes	
Open for walk	24 hours	
Fully curing	7 days	
Compressive strength	≥ 70MPa	
Bonding strength	≥ 2.0MPa	
Shore D hardness	approx. 80	

Cleaning & Maintenance

To maintain the performance of ARDEX R 35 E, good maintenance and cleaning are essential. For more information please refer to the introduction chapter about surface protection, preparation, cleaning and maintenance in the ARDEX industrial floor brochure.

Usage

Packaging	25kg
Consumption	0.20–0.25kg / m ² (per coat)

Note: The above data are theoretical data, the actual amount may vary due to substrate situation. Before application, it is recommended to calculate the expected amount to be used to ensure a uniform coating and proper material consumption.

Storage and Shelf Life

ARDEX R 35 E can be kept for 12 months from date of manufacture if stored in original unopened packaging in a 5–30 °C dry environment without exposure to cold weather, direct sunlight or heat.

Packaging

Pre-weighed 25kg packaging for ARDEX R 35 E. Part A is 20kg resin; Part B is 5kg curing agent.

Precautions

Epoxy 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 epoxy 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.

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.