

Technical Datasheet

EP231R: Two-Component Transparent Epoxy Resin

Datasheet

Properties	Component A	Component B
Appearance	Transparent liquid	Transparent liquid
Viscosity (CPS/25°C)	3,000~6,000	250
Mixing ratio	3:1	
Pot life after mixture (25°C)	120~180 minutes	
Initial curing time (25°C)	12 hours	
Final curing time (25°C)	24 hours	

Introduction

EP-231R is a two-component transparent epoxy adhesive designed for resin-bound stone flooring. EP-231R delivers exceptional performance at a lower cost, making it ideal for projects where affordability and ease of use are priorities. With a longer pot life and simplified application process, EP-231R is perfect for small-scale manual constructions, offering a seamless blend of quality, convenience, and value.

Highlights

- **Heat Resistance:** Stable at 80°C+—no softening, cracking, or deformation under scorching sun.
- **Affordable Pricing:** Achieve premium results without the premium price tag.
- **High Performance:** Comparable bonding strength and durability to PU-211, with added benefits for DIY applications.
- **Extended Pot Life:** 120–180 minutes of working time, allowing for

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stress-free mixing and application.

- **Water Permeability:** Optional permeable formulation for areas requiring drainage (e.g., pool decks, walkways).
- **Durability:** Withstands heavy foot traffic, extreme temperatures, and frequent cleaning.

Applications

Outdoor & indoor permeable rock aggregate sand-based floors & roads, swimming pool bottom, lower bed, etc.

Constructions (for resin bound)

- Thoroughly clean the base layer before construction to ensure it is clean, dry, and free of any loose debris. Make sure the rock aggregates are dry.
- Fully mix components A and B (A : B = 3 : 1) at the construction site.
- Mix the resin with the aggregates until the mixture is uniform. The usage of resin depends on the type of aggregates used.
- Spread the mixture onto the foundation layer evenly and smoothen the surface.
- One day after construction, the road surface is ready for use.