Ressi EPO Anchor Fix Pro

Three Components, Multi Purpose
Epoxy Anchoring

RESSICHEM®
adding life and value to your property

Ressi EPO Anchor Fix Pro is a high-performance, three-component epoxy anchoring adhesive. Formulated for superior bonding of steel rods, bolts, and rebar into concrete, it is ideal for structural reinforcement, fixing of curtain walls, and heavy machinery anchoring. It provides outstanding adhesion, chemical resistance, and long-term durability, even under harsh environmental conditions.

ADVANTAGES

- Modified epoxy resin – non-styrene formula
- High bond strength and modulus
- Excellent toughness and seismic resistance
- Moisture-tolerant and stable in humid environments
- Acid and alkali resistance
- High thermal resistance
- Suitable for side and overhead anchoring (excellent thixotropy)
- Easy application with special dual cartridge system

WHERE TO USE

- Structural reinforcement of buildings, bridges and tunnels
- Anchoring of steel rebars and threaded rods
- Curtain wall and stone façade fixing
- Equipment base and foundation fixing
- Starter bars, anchors, fasteners, tie rods, crash barrier posts, and fence/railing posts.
- Under-grouting and bedding of base plates for light and heavy machinery, including impact- and vibration-loaded equipment.
- Grouting and bedding of bridge bearings.
- Grouting of mechanical joints, including road, bridge, and deck-type joints.

SURFACE PREPARATION

All surfaces should be dry, clean, and free from standing water, grease, curing compounds, mold oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding.

ریسیکیم®
مضبوطی اور پائیداری کے لئے

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MIXING

Mix component A and B together thoroughly with a slow speed drill for 1 minute (max 400 R.P.M.). Once the mixture is homogenous, Part C can be added as per the recommended ratio and packaging. The product is ready to use one all three components are mixed properly and homogenous.

APPLICATION

For Anchor Bolts: Anchor bolt, dowel & starter bar holes must be dry. For bolts which will be placed into preformed holes, fill hole with Ressi Anchor Fix & gradually work the bolt into the grout.

For Patching Work: Apply the material by using notch trowel, scrapper or with a big spatula.

TECHNICAL INFORMATION

Property	Method	Typical Values
Appearance (Part A / Part B)	-	Clear to yellow / Clear to yellow
Appearance Part C	-	Fine granules
Mixture Ratio (by weight)	-	100 : 20 : 300-500 (Possibility to adjust the mixing ratio, depending on flowability)
Tensile Strength	ASTM D638	≥35 MPa
Flexural Strength	ASTM D790	≥65 MPa
Compressive Strength	ASTM D695	≥102 MPa
Elongation at Break	ASTM D638	≥1.6%
Non-volatile Matter Content	-	≥99%
Steel-to-Steel Tensile Shear	-	≥15 MPa
Bonding Strength with Concrete	-	≥12.5 MPa (C60)
Heat Deflection Temperature	-	≥75°C

***Typical results under laboratory conditions**

CURING TIME & WORKING TIME

Ambient Temperature (°C)	Working Time (min)	Full Cure Time (hrs)
10	300	36
25	150	24
≥35	75	20

***Figures are theoretical values only. Allowance for wastage should be considered.**

NOTE:

Ressi EPO Anchor Fix Pro is suitable for use in both cracked and uncracked concrete, and delivers long-term performance even in seismic or corrosive environments.

PACKAGING

6.2KG	Part A 1 Kg Part B 0.2 Kg Part C 5 Kg
31KG	Part A 5 Kg Part B 1 Kg Part C 25 Kg

SHELF LIFE

Shelf Life: 12 months in original sealed packaging
Storage: Store upright, in cool & dry conditions (10–25°C), away from sunlight

HEALTH AND SAFETY

Ressi EPO Anchor Fix Pro is regarded as non-hazardous for transportation. Do not reuse cartridges or containers; dispose of them according to local regulations. Wear gloves, goggles, and suitable masks during application. Avoid eye contact and keep out of reach of children. Replace the static mixer nozzle if left idle for more than 15 minutes. Properly reseal any unused material. Refer to the product MSDS for complete safety instructions.

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