

ADMIX EI650

Two Component Epoxy Injection Resin for Filling Micro Cracks

ADMIX EI650 is a two-component low viscosity product based on modified epoxy resins which is formulated for injection in micro cracks and small voids. This resin is suitable to be injected in static cracks with width of more than 100 microns, but the width of the crack should not exceed 9 mm. This resin penetrates deeply in concrete and makes it watertight to prevent ingress of harmful liquids.

Applications

Repairing and waterproofing concrete elements such as: columns, bridge segments and decks, floors, metro and road tunnels, beams and subways. Injecting in concrete dam bodies and water channels. Strengthening weak and porous concretes. Gap filling of concrete and steel plates. Also, as a primer in all repair jobs subjected to vibration and repetitive loads.

Advantages

ADMIX EI650 withstands against a great range of aggressive materials such as: industrial and residential sewage, sea water, diluted alkalis and acids, ammonium and formaldehyde, animal and botanical fats and mineral oils.

Properties

Density	Approx. 1.05 g/cm ³ at 25°C (mixed)
Compressive strength	Approx. 60 MPa (7 days)
Working Time / Pot life	45 min. (25 °C) 30 min. (40 °C)
Full cure	10 days at 35°C
Service temperature	-20 to +80 °C
Flash point	NA

Application method

Surface preparation:



White Damavand Corporation

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

<http://white-damavand.ir>

info@white-damavand.ir

Surfaces should be clean and free from paint, oil, grease, mould release agent and residual curing compound which may cause debonding. Thoroughly clean inside of the cracks by means of a vacuum cleaner or high pressure compressed air. Make sure that no water or other liquids remains inside the cracks.

Mixing:

ADMIX EI650 is supplied in two separate containers as based epoxy and reactor. Pour total amount of reactor into base container, mix them thoroughly by means of a low-speed hand mixer to reach a uniform color.

How to use:

Apply ready to use, mixed product in stated open time in following injection methods:

- In horizontal surfaces, pour mixed resin onto the crack and wait for absorption, continuing pouring till full saturation of concrete and when extra resin remains on surface.
- For injections in vertical cracks, direction of the cracks should be identified. Then drilling and installation of nipples should be done. Seal the cracks with epoxy mortar and leave it to cure. Injection should be carried out from lowest nipple, making sure of full saturation of crack and concrete before moving upward.

As the epoxy-based products are sensitive to temperature, keep the product in control room in temperature of 20°C to 25 °C till both parts reach room temperature.

Packaging

ADMIX EI650 is supplied in two separate containers; total net volume is 1 liter.

Storage

This product must be stored in original containers on pallets out of direct sunlight and be protected from rainfall at 20°C to 25°C. Shelf life is 8 months.

Safety awareness

Like other epoxy-based materials, **ADMIX EI650** may cause irritation. Use personal protective devices such as gloves, goggles and helmet while working with this product. In case

**White Damavand Corporation**

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

<http://white-damavand.ir>

info@white-damavand.ir

of any contact with eyes or skin, wash it immediately with clean water for at least 15 minutes and get medical helps.

Equipment carefulness

Wash the equipment with suitable solvent after completion of each phase of application or before break times

Quality approval

All materials produced in **White Damavand** Co. are under strict control of QC department and meet the requirements of international standards.

Supplementary data

For any additional information, please contact company's specialists.

**White Damavand Corporation**

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

<http://white-damavand.ir>

info@white-damavand.ir