



ADHVEYA
DRYMIX INDIA PVT LTD

Strength engineered. Excellence delivered.

EPOXY BONDING AGENT

HIGH PERFORMANCE EPOXY BONDING SYSTEM

Adhveya Epoxy Bonding Agent is a two-component, solvent-free epoxy system designed to deliver exceptional bond strength between old and new concrete. It also acts as a protective primer for reinforcement steel, providing an anti-corrosion barrier and enhancing the durability of concrete repair and overlay systems.



**EXCELLENT
BOND STRENGTH**



**MOISTURE
TOLERANT**



**NON
SHRINKING**



**HIGH CHEMICAL
RESISTANCE**



**CORROSION
PROTECTION**



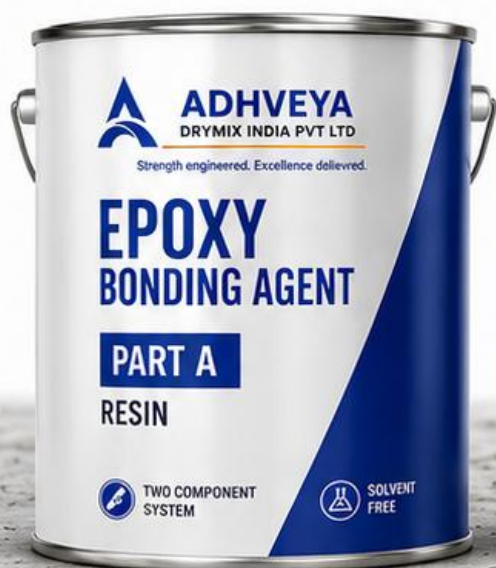
**HIGH
DURABILITY**



**EASY
APPLICATION**



**INTERNAL &
EXTERNAL USE**



**EXCELLENT BOND STRENGTH
STRONGER THAN CONCRETE ITSELF**



**COVERAGE
APPROX. 5 m² / LITER
(combined A+B)**



**VOC
0 g/L (SOLVENT FREE)**



**PACKAGING
1 L & 5 L PACKS**



SOLVENT FREE



HIGH PERFORMANCE



**STRUCTURAL
REPAIRS**



**BRIDGES, FLOORS,
COLUMNS & MORE**

EPOXY BONDING AGENT

HIGH PERFORMANCE EPOXY BONDING SYSTEM



PRODUCT DESCRIPTION

Adhveya Epoxy Bonding Agent is a two-component, solvent-free epoxy system designed to provide exceptional bonding between old and new concrete. It is moisture tolerant, non-shrinking and delivers superior adhesion, while also protecting reinforcement steel from corrosion. Ideal as a bonding coat, primer for repairs and as an anti-chloride barrier to enhance the durability of concrete structures.



RECOMMENDED USES



BONDING OLD TO NEW CONCRETE



PRIMER FOR CONCRETE REPAIR



CORROSION PROTECTION



MARINE & OFFSHORE STRUCTURES



BRIDGES & INFRASTRUCTURE PROJECTS



TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY	TYPICAL VALUES
Compressive Strength	>70 MPa @ 28 days
Tensile Strength	>24 MPa @ 28 days
Flexural Strength	>35 MPa @ 28 days
Bond Strength (Slant Shear)	>12 MPa
Application Temperature	5 – 35 °C
Pot Life @ 25°C	~4 hours
Tack Free Time @ 25°C	~5 hours
Theoretical Coverage	Approx. 5 m ² / Liter (Depends on surface profile)
VOC Content	0 g/L (Solvent Free)

* Results are based on laboratory tests at 27±2°C and 60±5% RH. Values may vary based on site conditions.



SURFACE PREPARATION

The concrete surface must be structurally sound and free from loose or unsound concrete, oil, grease, paint, curing compounds, dust, laitance and other contaminants. Prepare the surface by mechanical means such as grinding, shot blasting or diamond grinding to obtain a clean, rough and open texture. Removing all debris and dust using industrial vacuum cleaning. Priming with Adhveya Epoxy Bonding Agent is recommended for optimum adhesion.



PRECAUTIONS

- Do not apply below 5°C or above 35°C.
- Do not apply in direct sunlight.
- Do not add any water, thinner or solvent.
- Do not re-temper or dilute.
- Use within the pot life.
- For professional use only.



PACKAGING



ADVANTAGES

- ✓ Excellent bond strength
- ✓ Moisture tolerant
- ✓ Non-shrinking
- ✓ High chemical resistance
- ✓ Corrosion protection
- ✓ High durability
- ✓ Easy application
- ✓ Internal & external use
- ✓ Solvent free (VOC 0 g/L)
- ✓ Acts as primer & anti-chloride barrier



MIXING

Add Part B (Hardener) to Part A (Base) and mix using a slow speed drill (300–400 rpm) fitted with a suitable paddle for 3 minutes until a uniform colour and consistency is achieved. Mix full packs only.



PART A (BASE)



PART B (HARDENER)



MIX FOR 3 MINUTES



USE MIXTURE WITHIN POT LIFE

Do not add water, thinner or any solvent.



APPLICATION METHOD



1. SURFACE PREP

Ensure the substrate is clean, sound and free from dust, oil, grease, laitance or loose particles.



2. MIX

Mix Part A and Part B as per instructions to achieve a uniform consistency.



3. APPLY

Apply evenly with a brush or trowel. Do not allow the bonding coat to dry.



4. PLACE

Place the new concrete, screed or repair mortar while the coat is still tacky.



5. FINISH

Compact and finish as per project requirements.



CURING

Proper curing is essential to achieve optimum bond strength and durability. After placing the concrete or repair mortar, protect the surface from rapid water loss and allow adequate curing. Keep the surface continuously moist / sheltered for a minimum of 3 days in hot or windy conditions, take additional measures to prevent premature drying.



STORAGE & SHELF LIFE

Shelf Life:
12 months from the date of manufacture in unopened original packing.

Storage:
Store in a cool, dry place away from direct sunlight and moisture.



HEALTH & SAFETY

Wear protective gloves, goggles and suitable clothing during application. Avoid contact with skin and eyes. In case of contact, flush with plenty of clean water and seek medical advice, if irritation persists.



MANUFACTURED BY:

ADHVEYA DRYMIX INDIA PVT LTD

KUBER INDUSTRIAL PARK
VALSAD, GUJARAT, INDIA



adhveya@gmail.com



www.adhveya.com | www.adhveya.in