



ADHVEYA
DRYMIX INDIA PVT LTD

Strength engineered. Excellence delivered.

MICRO CONCRETE REPAIR MORTAR

SINGLE COMPONENT HIGH STRENGTH MICRO CONCRETE

Adhveya Micro Concrete Repair Mortar is a single component, high strength, cementitious, free flowing micro concrete formulated from selected cements, sand, admixtures and aggregates. It is designed for a wide range of structural repairs. When used as a fluid micro concrete, it is self-compacting and provides excellent resistance to chloride ingress, carbonation, freeze thaw attack and sulfate attack.



**HIGH EARLY
STRENGTH**



**SINGLE
COMPONENT**



**NON
SHRINKING**



**FREEZE / THAW
RESISTANCE**



**LOW
PERMEABILITY**



**RESISTANT TO
CHLORIDES & SULFATES**



**SELF
COMPACTING**



**HIGH
DURABILITY**



**COMPRESSIVE STRENGTH
>65 MPa @ 28 DAYS**



**FLEXURAL STRENGTH
>8 MPa @ 28 DAYS**



**FLOW
10 TO 35 SECONDS**



**PERMEABILITY
<10 mm**



**BOND STRENGTH
GREATER THAN CONCRETE TENSILE STRENGTH**



**PACKAGING
25 KG BAG**



**FREE FLOWING
MICRO CONCRETE**



**EXCELLENT
DURABILITY**



**STRUCTURAL
REPAIRS**



**BRIDGES, TANKS,
TUNNELS & MORE**

MICRO CONCRETE REPAIR MORTAR

HIGH PERFORMANCE MICRO CONCRETE REPAIR SYSTEM



PRODUCT DESCRIPTION

Micro Concrete Repair Mortar is a single component, high strength, cementitious, free flowing micro concrete formulated from selected cements, sand, admixtures and aggregates. It is designed for a wide range of structural repairs. When used as a fluid micro concrete, it is self-compacting and provides excellent resistance to chloride ingress, carbonation, freeze thaw attack and sulfate attack.



RECOMMENDED USES



AS A CONCRETE
WHERE REINFORCEMENT
IS CONGESTED



LARGE TECT
STRUCTURAL
REPAIRS



REPAIRS OF
PARKING
BUILDINGS



POTABLE &
WASTE WATER
TANKS



TUNNELS, DAMS,
BRIDGES & MARINE
STRUCTURES



TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY	TYPICAL VALUES
Compressive Strength	>65 MPa @ 28 days
Flexural Strength	>8 MPa @ 28 days
Bulk Density	~2.2
Flow	10 to 35 seconds
Permeability	<10 mm
Chloride Content	<0.1% by weight
Bond Strength	Greater than concrete tensile strength

* The above properties are average laboratory values



SURFACE PREPARATION

The concrete substrate 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. Priming with clean water to achieve saturated surface dry (SSD) condition is recommended prior to application.



PRECAUTIONS

- Do not add extra water or re-temper.
- Do not apply in rain or wet conditions or at temperature below 5°C.
- Do not expose to running water until fully cured (7 days).
- Do not part mix, use full bag.
- For professional use only.



PACKAGING

Available in
25 kg Bag.



ADVANTAGES

- High early strength
- Self-compacting
- Non-shrinking
- Low permeability
- Freeze / thaw resistance
- High durability
- Easy application
- Resistant to chlorides & sulfates
- Excellent bond strength
- Suitable for thick section repairs



MIXING

Add 3.2 to 3.5 liters of clean water to Micro Concrete Repair Mortar and mix using a low speed drill (300–500 rpm) fitted with a suitable paddle for 3–5 minutes until a uniform colour and consistency is achieved. Mix full packs only.



PART A
(POWDER)



ADD
3.2 – 3.5 L
CLEAN WATER



MIX FOR
3 – 5 MINUTES
(300 – 500 RPM)



USE MIXTURE
WITHIN
30 MINUTES

Do not add additional water or re-temper the mix.



APPLICATION METHOD



1. SURFACE PREP

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



2. MIX

Mix 3.2–3.5 L clean water with powder using a drill mixer.



3. APPLY

Pour or pump the material into the formwork. No vibration required.



4. PLACE

Fill formwork completely. Repair thickness from 10mm to 120mm.



5. FINISH

Compact and finish as per project requirements.



CURING

Curing is essential to achieve optimum bond strength and durability. Cure using water, Adhveya Curing Agent, wet hessian or by wrapping with polythene sheet immediately after finishing. Continue curing for a minimum of 3 days in hot or windy conditions. Keep the surface continuously moist.



STORAGE & SHELF LIFE

Shelf Life:

12 months when stored in factory packed unopened bag, in a cool dry and elevated place away from direct sunlight.

Storage:

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



HEALTH & SAFETY

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



MANUFACTURED BY:

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