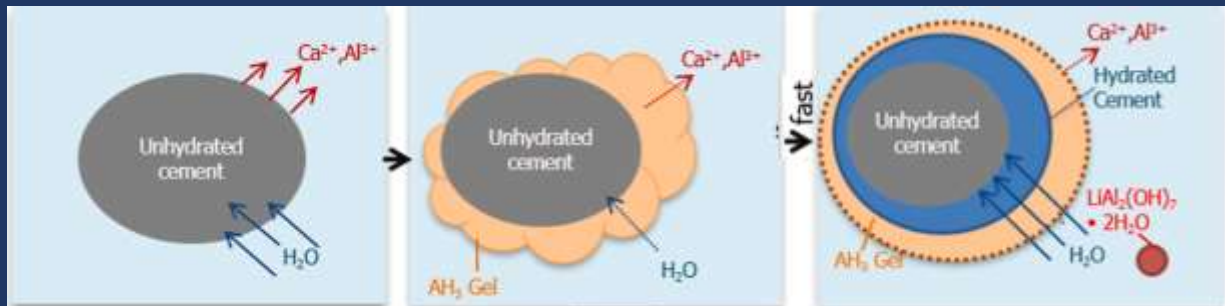


CONCRETE ADMIXTURE COMPOUND

ACCELERATOR

Microblock 100 is a brown liquid concrete accelerator that is based on chloride. It disperses agglomerated cement particles, which speeds up hydration and improves the performance of the water content in cementitious mixes. This allows for constant workability water decrease, which further increases strength. where steel is pre-stressed or implanted.



Microblock 100 accelerators increase the solubility of calcium ions in the mix, promoting faster hydration of cement particles. By other words, Accelerators lower the activation energy required for chemical reactions in the cement mix. This means the reactions can occur more readily, leading to quicker setting times. This accelerates the formation of calcium silicate hydrates, the compounds responsible for strength.

Where to use:

- Cold Weather Construction
- Precast Concrete Production
- Rapid Repair Work
- Shotcrete Applications
- Winter Sports Facilities
- High-Performance Concrete
- Emergency Repairs like after a natural disaster
- Thin Overlays and Toppings

Features of Microblock 100 Compounds:

- **Rapid Setting:** Microblock 100 significantly reduce the time it takes for concrete to set, allowing for quicker formwork removal and early finishing work.
- **Early Strength Development:** It enhances the rate of strength gain, enabling concrete to reach required strength levels faster, which is especially useful for projects with tight schedules.
- **Improved Workability:** Microblock 100 maintain or even enhance the workability of the concrete mix, making it easier to place and finish.
- **Versatility:** It can be used in various applications, including cold weather concreting, precast concrete production, and rapid repair projects.
- **Compatibility:** Microblock 100 are designed to be compatible with various cement types and other chemical admixtures, allowing for flexibility in mix design.

- **Temperature Adaptability:** Mycrobloc 100 often perform better in low temperatures, making them ideal for winter construction projects.
- Environmental Considerations:
- **Ease of Use:** Mycrobloc 100 can be easily incorporated into standard mixing processes, often requiring no special handling or equipment.
- **Enhanced Durability:** Mycrobloc 100 also contribute to the long-term durability of concrete by promoting optimal hydration.

Method of Application

Mycrobloc 100 dosage ratio based on mix design and site specification needs, recommended dosage as a guideline 0.6 to 2% of the cement's weight in volume.

Precautions & Limitations

- Do not add Mycrobloc 100 directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Mycrobloc 100 than the recommendation.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Free flowing liquid
Colour		Clear brown
Sp.gr @ 25 °C		1.35 to 1.37
Non-volatile contents		13.5 – 14.5 %
pH value		7 to 8
Setting time in min		Passes
Chloride content		NIL
Water permeability		Passes
Compressive strength N/mm ²		As per standard

Shelf Life

- Best before 2 years from the date manufacture when in sealed pack and stored under proper condition.
- Store in a cool & dry place.

Health & Safety

- Use rubber hand gloves & safety goggles, while using Mycrobloc 100
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

Package size: 500 ml, 1 L, 5 L, 10 L, 20 L, 50 L and 220 L

MAYFAIR BIOTECH PVT LTD

L-12, MIDC Industrial Area, Tarapur, Boisar
 Dist Palghar, Maharashtra 401506, India
 Email: mayfairbiotech_anand@yahoo.in
 mayfairbiotech_aashis@yahoo.com
 Phone: +91-9816619177