



DARMA MIXTURE

Strengthening, Waterproofing and Accelerating Admixture



OVERVIEW

Darma mixture is a multifunctional type of admixture which enhances the quality of the concrete giving the concrete extra strength, damp proofing property and reducing the setting time of the concrete.

PROPERTIES

- ✓ Can be used in plastering
- ✓ Early strength development
- ✓ Reduce setting time of concrete
- ✓ Damp and leakage proof
- ✓ Improves workability
- ✓ Crack control
- ✓ Higher strength by making strong bond
- ✓ Abrasion resistance of cement mix
- ✓ Finish enhancement
- ✓ Reduce cost of construction project

SURFACE PREPARATION

- Prepare the mold/ formwork properly to avoid any leakage of the admixture

ADMIXTURE PREPARATION

- Shake well before use

AREAS OF APPLICATION

- ✓ Buildings (Floors, walls, Patios and etc.)
- ✓ Bridges
- ✓ Swimming pools
- ✓ Roadways
- ✓ Rail way
- ✓ Airport runways

MIXING

Concrete Mix: 0.5L of admixture for a bag of cement (50Kg) or (1L to 100kg cement) Plastering Mix: For highly critical areas, 2L of admixture for 1 quintal (100kg) cement.

APPLICATION

- Proportioning concrete raw materials and water
- Mix the components of concrete properly until the concrete is uniform
- Gradually add the appropriate amount of admixture to the moistened concrete
- Cast the concrete on the designated mold/formwork.

COVERAGE

For compressive strength of concrete C-25 and mix ratio of (1:2:3), use 1L of Darma Mixture for 100kg of cement or 0.27m³ of concrete

PACKAGING

- 5L, 10L, 20L and 250L plastic container

STORAGE

- 24 months; when stored in dry place in unopened and undamaged original packaging.

PRECAUTIONS

- Do not add or deduct the admixture amount from the above mentioned mixing ratio
- When mixing the Darma mixture, you must use a concrete mixing machine
- Cure the casted concrete 4 times a day for 7 days
- Eyes, nose and skin should be protected by wearing security goggles, gloves and dust mask.
- In case of contact, wash with plenty of water.
- In case of eye contact, immediately seek medical attention

Technical data

Appearance	Liquid
Color	Light grey
Density (ASTM C 494 /IS 9103)	1.0635 g/cm ³
Total chloride ion content (IS 9103/IS 6925)	< 0.1%
Viscosity (ASTM D 5478-98)	97.3mPa s
PH (ASTM C 494/ISO 4316)	6.367

N.B. The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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