



# DARMA SUPERPLASTICIZER

High Range water reducer and retarder



## OVERVIEW

Darma Superplasticizer is an advanced high-range water-reducing agent developed to significantly improve the workability and strength of concrete.

## PROPERTIES

- ✓ Suitable for high-performance concrete in commercial and residential buildings.
- ✓ Improves workability
- ✓ Facilitate the project
- ✓ Abrasion resistance of cement mix
- ✓ Ideal for precast concrete requiring high early strength and excellent durability.
- ✓ Recommended for complex concrete forms and long-distance pumping.

## SURFACE PREPARATION

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

## MIXING

- 0.5-0.8% of the weight cement used

## COVERAGE

500-800mm for 100kg cement

## AREAS OF APPLICATION

- ✓ Buildings (Floors, walls, Patios and etc.)
- ✓ Roadways
- ✓ Ware houses and
- ✓ Any other concrete surfaces

## 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.

## PACKAGING

- 5L, 20L and 250L plastic container

## STORAGE

- 12 months in original unopened containers

## Technical data

|            |                       |
|------------|-----------------------|
| Appearance | Liquid                |
| Color      | Light to medium amber |

## PRECAUTIONS

- Do not add or deduct the admixture amount from the above mentioned mixing ratio
- When mixing the accelerating agent, 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 skin contact, wash with plenty of water.
- In case of eye contact, rinse cautiously with water for several minutes. Seek medical advice if the irritation continues.