



ZURAPLAST PM

Mortar Plasticiser, is supplied as an off-white to pale yellow liquid which mixes readily with water in any proportions.

PRODUCT DESCRIPTION

ZURAPLAST PM is supplied as an off-white to pale yellow liquid which mixes readily with water in any proportions.

USES

To improve workability and trowelling properties of sand/cement mortar mixes during application. To increase quality and improves consistency of masonry and plastering

ADVANTAGES

- ▶ Very good slump retention properties
- ▶ Extension of concrete placing time even in hot climates
- ▶ Increases durability by reducing permeability
- ▶ Improved cohesion and particle dispersion to minimise segregation, bleeding and improves pumpability
- ▶ No excessive air entrainment
- ▶ Chloride free and free for use in prestressed and reinforced concrete

TECHNICAL DATA

Specific Gravity	1.00 g/cc
Chloride content	Nil
Compatibility with	Can be used with any Cements type of Portland, Super Sulphate, Blast furnace or Pozzolan
Setting Time	There is no significant effect on the setting of sand/cement mortars

APPLICATION INSTRUCTIONS

Plasticising Action

ZURAPLAST PM entrains a controlled amount of microscopic air bubbles which increase cohesion and provide lubrication to the sand particles in the mix, thereby imparting improved workability to the mortar. The air bubbles hold the cement/water matrix at the contact surfaces which results in improved bond strengths.

Increased yield

The special action of ZURAPLAST PM causes the cement particles to disperse evenly throughout the mix, which combined with its air entrainment property, expands the volume of the mortar. Increase in yield for the same quantities of sand and cement is typically between 8% and 18%, depending upon the coarseness or fineness of the sand used.

With typical mixes of 1:3 and 1:4 cement : sand, the cost of ZURAPLAST PM will normally be recovered and, in most cases, a net saving will be obtained, as a result of the increased yield.

Mixing

ZURAPLAST PM Mortar Plasticiser may be added either direct to an individual mix or to the gauging water, depending upon site convenience.

Direct to the mix

Use between 0.100 and 0.200L of ZURAPLAST PM per 100kgs of cement. Soft fine sand will require least and harsh sands most. Site trials will best determine the practical rate of addition in each case and are recommended. ZURAPLAST PM to be stirred thoroughly before use. Measure the total required quantity of ZURAPLAST PM and stir into the first bucket of the gauging water. After dry mixing the sand/cement in the normal way, add the ZURAPLAST PM and start wet mixing.

Continue adding plain water and mixing the mortar until the required workability is obtained.

Add between 0.100 and 0.200L of ZURAPLAST PM to every 100L of water and stir well to ensure even dispersion.

Use the ZURAPLAST PM to make the mortar in the usual way and keep adding and mixing until the required workability is obtained.

Lime Mixes

Where a small quantity of hydrated lime is usually added to a sand/cement mix to fattiness and plasticity, the lime may normally be omitted and ZURAPLAST PM used to replace it with economic benefits.

Curing

Mortar containing ZURAPLAST PM should be properly cured in accordance with accepted practice and protected against sun and drying winds.

Overdosing

Overdosing of ZURAPLAST PM will result in increased workability and air entrainment.

Cleaning

Spillages of ZURAPLAST PM should be removed with water.

Note : Do not add ZURAPLAST PM directly to dry sand/cement mortar.

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PACKAGING

ZURAPLAST PM is supplied in 20 & 200L containers

SHELF LIFE

ZURAPLAST PM has a minimum shelf life of 12 months under normal ambient temperatures. It should be protected from temperatures above 40°C and stored in shade.

PRECAUTIONS & LIMITATIONS

Excess dosage of ZURAPLAST PM will result in reduction of the final strength of the mortar. An overdose of double the recommended measure of ZURAPLAST PM will result in increased retardation of the initial set of the concrete. The ultimate strength of the concrete will not be affected and could be increased. If advantage is taken of the increased workability by reducing water

HEALTH & SAFETY

ZURAPLAST PM is non-toxic. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.

Fire

ZURAPLAST PM is non-flammable

Important: It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, **Prozura Construction Chemicals Pvt. Ltd.** does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



ProZura Construction Chemicals Pvt. Ltd.

📍 First Floor, Hague Building, 9 Sprott Road, Ballard Estate, Fort, Mumbai-400 001, (MH)
☎ +91 91520 94840 ✉ info@prozura.com 🌐 www.prozura.com