

## DESCRIPTION

- **PC-62** is a polycarboxylate-based, highly water-reducing hyper plasticizer concrete admixture developed for prefabricated applications where the time between concrete production and placing in the mold is short.

## INTENDED USES

- Non-segregating concrete applications,
- Concrete applications with low water/cement ratio,
- Precast concretes requiring high early strength development.

## ADVANTAGES

- **PC-62**, a new generation superplasticizer concrete additive, provides high workability to fresh concrete without causing segregation.
- It allows concrete mix designs with low water/cement ratios to be made with a low utilization rate.
- Provides high early strength to hardened concrete, allowing early mold removal. In this way, it provides a significant reduction in construction construction time. With these features, **PC-62** is also a suitable additive for precast concrete.
- Does not contain chloride ions. It does not cause reinforcement corrosion.
- Increases frost resistance of hardened concrete.
- It increases the impermeability of concrete.

## APPLICATION

- **PC-62** is offered as a ready-to-use liquid for fresh concrete mix. It is recommended to be added to the mixing water in the ready mixed concrete production plant.

## CONSUMPTION

- In all types of concrete classes defined in EN 206 and EN 13515 standards, the rate of use in self-compacting concrete applications and prefabricated element construction is between 0.4% and 0.4% by weight of the total binder in the mixture design for fluid consistencies. It is recommended to use in the 2.0 ratio range. This ratio varies according to the cement, aggregate, mineral additives, water components used in the concrete mix design and also the desired fresh and hardened concrete properties. For this reason, laboratory trials should be carried out according to the desired properties and the mixing ratio should be determined. Laboratory trials should be done and the mixing ratio should be determined.
- Since **PC-62** is a high-performance hyperplasticizer admixture, the usage rates at the construction site and/or power plant should be adjusted very well, especially the excessive addition of mixing water to the concrete mixture should be avoided.

## TECHNICAL DATA

Structure of the material	: Polycarboxylate-based
Appearance	: Light yellow
pH	: 3,4
Density	: ~1,1 kg/L
Chlorine content	: (EN 480-10) <0.1%
Alkali content	: (EN 480-12) <
Compressive strength	: (EN 12390-3) Suitable
Amount of air	: (EN 12350-7) Suitable
Consistency protection	: (EN 12350-2) Suitable
Collapse and spread	: (EN 12350) Suitable
Application ground temperature	: (+5°C) - (+35°C)

● These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.

● **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

## WARNINGS AND RECOMMENDATIONS

- In accordance with the Occupational Health and Safety Rules, work clothes, protective gloves, goggles and masks must be used during application.
- **PC-62** can be used with all cement types conforming to EN 197-1 standard.
- The product should be stored above 50C. If the product freezes, it must be mixed mechanically after thawing to restore its original form.
- During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap. If swallowed, a doctor should be consulted immediately.
- Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.
- For more detailed information, the material safety data sheet (MSDS) of the product should be consulted.

## PACKAGING

- 30 kg Plastic jerry can, or 1000 kg IBC

## SHELF LIFE

- Shelf life of an unopened package stored according to the appropriate environment ((+5°C) - (+30°C)) is 12 months from the date of manufacture. Opened packages can be used throughout their shelf life by closing the lids tightly and stored in appropriate storage conditions.