



1.0 Description:

- MICRO P is a Highly effective super plasticizer for cement and concrete, which can also be used as an accelerator for the final setting.
- Improve different properties of concrete especially compressive strength.
- Can be added with any proportion, with no side effect on concrete.
- Lowers the surface tension in the concrete mix.
- Increases workability despite lower water/cement ratio.

2.0 Uses:

- Site concrete.
- Pumped concrete.
- Pre-stressed concrete.
- Precast concrete.
- Impermeable concrete.
- In sewage water structures.
- Under water concrete.
- Fair face concrete.
- High early strength of concrete for traffic areas.

3.0 Approval & Certification:

Shall be available upon request

4.0 Colours:

Grey Powder

5.0 Product Data:

Solid content :100 %

W/C ratio :

| | Control Without MICRO P | With 6% MICRO P of Cement weight |
|----------------------|----------------------------|-------------------------------------|
| W/C ratio | ~34% | ~28% |
| Compressive Strength | 18 N/mm ² | 32.87 N/mm ² |

6.0 Mixing Ratio, and consumption:

5%-8% of cement weight according to request.

7.0 Application Methods:

1. Mix 50% of the expected needed water with the concrete mix.
2. Add the required dose of MICRO P to the previous mix and mix well for 5min
3. Start adding extra water till you reach the required consistency of concrete.

8.0 Product weight:

Total Weight : 9 kg
 Container : Sealed pre weighed plastic bags

9.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

10.0 Handling of Plasticisers Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Avoid Inhaling and make sure to wear needed masks.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

11.0 Compatibility:

- Superplasticizers, or high-range water reducers, are generally compatible with other concrete additives, but potential interactions can affect workability, setting time, and air content. Factors like cement composition, superplasticizer type, and the presence of other admixtures (e.g., air-entraining agents, accelerators) can influence compatibility. Careful consideration and testing are crucial to ensure desired concrete properties

12.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

13.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.