

SAMPLAST® HP3

SUPER PLASTICIZER (HIGH PERFORMANCE)



Submerged in water
application



Pourable



Screed

DESCRIPTION:

- SAMPLAST® HP3 is unique third generation superplasticizer based on modified polycarbozyllic ether to achieve the highest performance level of concrete design meeting quality standard that prevails in the international market as a high water reducing admixture.

ADVANTAGES:

- Reduces micro porosity.
- Possesses very high water reducing capability.
- Its ability to work with an extremely low water / cement ratio allows to produce high performance concrete with high early and final strength (18 to 24 hours).
- Increases workability, density and strength without segregation or bleeding.
- Increases compressive strength of concrete mix with reducing water content of the mix.
- Requires low vibration.

METHOD OF USE:

- Add **SAMPLAST® HP3** (maximum up to 1.5% of cement) in water and stir gently.
- Prepare dry mix of cement, aggregates and sand as usual.
- Slowly add dry mix to the solution while mixing.
- Apply concrete-mix as usual.

RECOMMENDED APPLICATIONS:

- Bridges / pile foundations, piers, PQC concrete for roads
- Building foundations and footings, RCC load bearing structures like beams and columns
- RCC support structures for overhead water tanks, revolving restaurants etc.
- High rise towers, for installation of radar systems, TV signal receivers, search lights, wind turbines etc.

SAMPLAST® HP3 is recommended for use with concrete mix design m25 and above.

PRODUCT DATA:

Form	Liquid
Base	Blend of specially selected organic polymers
Specific gravity	1.05 at 25°C
chloride content	Nil
Colour	Pale
Dosage / Consumption	0.1 kg - 0.75 kg per 50-kg bag of cement
Air entrainment	Less than 2% additional air is entrained.
Shelf life	12 months at 25°C
Safety	Non-toxic and non-flammable
Packing	200 kg drum, 100 kg drum, 50 kg carboy & 5 kg jerry can

CONSULT OUR PRODUCT APPLICATION DEPARTMENT (PAD) IN CASE OF ANY DIFFICULTY OR FOR TECHNICAL ASSISTANCE

SAMROCK products are guaranteed for the performance of material and manufacture.
The details given here are based on our laboratory and field observations and as such as construed to be reliable. But we shall not accept responsibility for any work carried out with our material as we do not have control over other ingredients, workmanship and field conditions. This data sheet is subject to change in view of constant research and development being undertaken in our laboratories. Customers are advised to contact SAMROCK for the latest version.

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