



ZARCINDIA™

ISO 9001 : 2015

A COMPLETE CONCRETE SOLUTION

Manufacturing of Admixture Waterproofing Compound & Grout Material

📍 Balaji Industrial Park, Taloja MIDC, Panvel, Dist.: Raigard, Mumbai, Maharashtra- 410 208

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SENWET LOMO

PC Based Water reducing slump retaining Superplasticizer

DESCRIPTION:

SENWET LOMO Pce has been primarily developed for application in the ready mixed and precast concrete industries where the highest durability and performance is required. **SENWET LOMO** is compatible with all Portland cements meeting recognized international standards and is free from chlorides and has been formulated to comply with ASTM C-494 for types A and F admixtures.

TECHNICAL DATA:

Color	White /Reddish
Form	Viscous Liquid
Specific Gravity @ 30°C	1.08 ± 0.02
Solid contain dry material	33±3
Chloride Contain	Nil

APPLICATIONS:-

SENWET LOMO pce is especially suitable for the production of concrete mixes which required high early strength development . Powerful water reduction and excellent flowability

- Pumped concrete
- Fast track concrete
- Precast concrete
- Self compacting concrete.
- High Grade concrete (M10-M-50)
- Concrete requiring long workability and long retention.

ADVANTAGES:-

- Pronounced increase in the early strength development resulting in very economical stripping times for precast and in situ concrete.
- Extremely powerful water reduction, resulting in high density , high strength and reduced permeability for water.





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- Excellent Plasticizing effect , resulting in improved flow ability, placing and compacting behavior.
- **SENWET LOMO** is differentiated from that superplasticizer's in that it is based on a unique polycarboxylate ether polymer with long lateral chains . Conventional superplasticizer's, such as those based on sulphonated melamine and naphthalene formaldehyde condensates, at the time of mixing, get adsorbed into the surface of the cement particles. This adsorption takes place at a very early stage in the hydration process.
- The sulphonic groups of the polymer chains increase the negative charge on the surface of the cement particle and dispersion of the cement occurs by Electrostatic repulsion.
- The long lateral chains of **SENWET LOMO** greatly improve cement dispersion. At the start of the mixing process the same electrostatic dispersion occurs as described previously but the presence of the lateral chains , linked to the polymer backbone, generate a steric hindrance that stabilizes the cement particles capacity to separate and disperse .
- This mechanism provides flow-able concrete with greatly reduced water demand . The excellent dispersion properties of **SENWET LOMO** make it the ideal admixture for precast concrete where low water cement ratios are required .
- Always conduct trial before combining products in specific mixes and contact our technical service department for information about specific combinations.
 - High water reduction.
 - Excellent early and ultimate's strengths. Possibility of elimination of steam curing. Less permeable. Highly durable concrete.

DOSAGE:-

Generally **0.4 – 1.4 %** by cement. Do not allow over dosing. Due to overdosing setting time will be extended gloriously. It is advisable to carry out a trial to establish the exact and optimal dosage depending upon set retardation required

HEALTH & SAFETY:-

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

PACKAGING:-

- Available 230/250 kgs HDPE drums and bulk tanker .

STORAGE:-





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Must be stored in original packing, in ambient temperature, dry place under shed. Protect from direct sunlight.

SHELF LIFE:-12 months in original sealed condition under appropriate cooling condition.

