



AARADHYA PC-450

A highly effective liquid super plasticizer specially designed for medium strength to high strength concrete (M20 to M50) using river sand or crushed sand. It provides very good pumpability from free flowing concrete suitable for hot weather conditions. It is modified PC based admixture, specially designed to substantially decreasing the temperature for concreting purposes

Salient Features:-

Aaradhya PC-450 offers good dispersion in concrete mixes which enables the mix to be pumpable even after 120 mins from the time of mixing.

- High range water reduction up to 25%.
- High retention time up to 120 mins.
- High PC content with approximately 33% PC molecules.
- High adsorption on cement particles.
- Significant increase in ultimate strength.
- Increases bond strength of concrete to reinforcing steel.
- Normal set without retardation, even when overdosed.
- Improves density and surface finish.
- Chloride free - does not attack reinforcement or pre- stress cables.

Cement (OPC 53)	320 Kg
River sand	100 Kg
Fly ash	500 Kg
20 mm	740
10 mm	580
Water	160
Admixture	2.5-3
Slump	8-120 mm after 2 hr
7 days strength	28 mpa
28 days strength	40 mpa

Type	Polycarboxylate Ether
Color	Orange Yellow
Specific Gravity	1.13
pH	6-6.5
Shelf Life	12 Month
Packaging	50kg/120kg/230 kg