

Technical Data Sheet



TOP CHEMICALS

Version2.0
Date: 15/12/2021

POLYCARBOXYLIC COPOLYMER (WPC-500)

一. Product characteristics

1. This product is the high-molecular polymer by TPEG, colourless or yellowish liquid. Non toxic and non corrosive. Non rust for stainless steel.
2. WPC-500 must be used by mixed with our WPC-700, it well adapted to every kinds of cementing materials. More suitable for long -time flowing concrete, high slump retention concrete and also for precast pumping concrete...
3. WPC-500 can improve the performance of concrete admixture, lower the cost of it. And also more adaptability for various cement、 fly ash.

二. Physical Properties

Appearance	White or transparent liquid
Solid content %	50.0 ± 1.0
PH	6.0 ± 1.0
Viscosity (cps/25℃) g/ml	300 ± 100
Specific Gravity(20℃)	1.09 ± 0.02
Chloride ion content %	≤ 0.6
Total alkali content %	≤ 10.0
Sodium sulfate content %	≤ 5.0

三. Application

This product will be used with WPC-700 to make precast and on-site concrete、 reinforced concrete、 prestressed concrete、 pumping concrete、 self-leveling concrete and mass concrete ...

四. Recommended dosage

1. When making pumping concrete admixture, added it by 20%-50% to instead of WPC-700 to get the slump retention.
2. before use, pls make concrete test in lab to get the best performance.

五. Packing

200kgs drum or 1000kgs IBC tank or 20MT flexibag

六. Storage and validity date

It must be stored in ventilated warehouse, avoid too high temperature and freezing point.

This product validity is 6 month, if overdue, must be tested, then use.