

UNIVER- PNS

Superplasticizer for High-range water reducing agents

Univer - PNS, sodium salt of polymerized naphthalene sulfonic acid, is cost-effective anionic dispersant and high-range water reducing agents. Univer - PNS reduces the viscosity and improves the fluidity of concentrated slurries or solids dispersed in water. Univer – PNS gives better strength to the concrete with less use of water.

Univer – PNS exhibits excellent rheological properties in concrete and gypsum board.

Physical Properties

Chemical classification: Sodium salt of β -naphthalene sulfonate formaldehyde condensate

Physical Properties	Powder	Liquid
Appearance	Light brown Powder	Dark brown liquid
Solid content	Min.93 \pm 1%	Min.40 \pm 1%
Sodium Sulfate	Max. 2.7%	Max. 1.1%
pH	7~9	7~9
Bulk density	0.65~0.85g/cc	-
Specific gravity	-	1.19~1.23g/ml
Ionic nature	Anionic	Anionic
Solubility	Clear in water	Clear in water

Applications

- High compressive strength concrete
- Ready mixed concrete
- Underwater concrete
- Self-leveling concrete
- Fly ash / Slag / Lightweight concrete
- Gypsum board

Advantages

- Improvement of concrete workability
- Concrete secondary products such as precast concrete and concrete pile

Storage and Handling

- Storage of Univer - PNS at room temperature is recommended.
- It may congeal when cold, but its working properties will not be affected. If frozen, warm to 30℃ and mix well.

Packaging

- Powder: 25kg paper bag (wrapped & palletized) and 500 - 1,000kg big bag
- Liquid: Flexi tank or drum

For further information, please check Material Safety Data Sheet for this product before use.



J&C Global Tech. Co., Ltd.
101-911, Chunuitechnopark, 200-1, Chunui-Dong
Wonmi-Gu, Bucheon-city, Kyunggi-Do, 420-857, Korea
TEL : 82-32-613-4211~2 FAX : 82-32-613-4213