



**ÖZEL KİMYASALLAR
TOPTAN TEDARİK**



Product Catalog

2024

About Us

ÖKTO has close relationships with research organizations specializing in the development and testing of chemical products. ÖKTO team members have experience in developing technologies to obtain raw ingredients for additives and reagents, studying their functional efficacy, obtaining approvals and recommendations for further additive application, industrial organization, production facilities and final commercialization and marketing of products.

Our Products

At ÖKTO we supply a wide range of specialty chemicals for our customers' needs. We are pleased to offer you a full range of services together with our products: initial market scoping, R&D, homologation and testing, production and post-production support.



We would like to present you our product range of concrete additives. We can provide you with the documentation and samples of the products you require. Please do not hesitate to contact us, we will be glad to help you!

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Sodium lignosulfonate

PLASTICIZER FOR CONCRETE AND MORTARS

Sodium lignosulfonate raw material is a component of admixtures for concrete and mortars. The main application of sodium lignosulfonate raw powder is as a plasticizing ingredient for concrete and mortars.

With a correctly selected composition of admixtures based on sodium lignosulfonate crude powder, it is possible to increase the slump from 40 to 180-200 mm at a low dosage (0.15 ÷ 0.3 % by dry weight of the cement mass); our product is characterized by good compatibility with cements of different chemical and mineralogical composition, as well as with polycarboxylate and polymethylene naphthalenesulfonate based plasticizers.



Features	Unit	Value
1 Physical condition and appearance	visible	Cinnamon-brown powder
2 Bulk density, min (20°C)	kg/m ³	420
3 Dry matter content, min	%w.	92
4 Polysaccharide (glucose) content	%w.	13-15
5% Acidity, 2.5% water solution, min	pH	4

OKTOSOL EXTRA grade A

SUPERPLASTICIZER FOR CONCRETE AND MORTARS

The main field of application of OKTOSOL EXTRA class A admixture is the production of commercial concrete of any mobility, including self-compacting concretes. The admixture can also be used in the production of reinforced concrete products and structures for various purposes



OKTOSOL EXTRA Grade A can be used in the production of complex additives. The product can be perfectly combined with lignosulfonates, many commercial accelerators, retarders, defoamers, etc. Therefore, OKTOSOL EXTRA Grade A can be used independently as an effective superplasticizer and can serve as the main additive in creating a wide range of complex admixtures for ready-mixed concrete, reinforced concrete products and special purpose concrete. OKTOSOL EXTRA grade A is used for transportation purposes in combination with air retaining admixtures in concrete production.

Features	Unit	Value
1 Physical condition and appearance	visible	Mustard-brown powder
2 Bulk density, min (20°C)	kg/m ³	400
3 Dry matter content, min	%w.	92
4 Na ₂ SO ₄ in dry matter, max	%w.	6
5% Acidity, 2.5% water solution	pH	7-9

OKTOSOL EXTRA grade B

SUPERPLASTICIZER FOR CONCRETE AND MORTARS

The main field of application of OKTOSOL EXTRA grade B admixture is the production of commercial concrete of any mobility, including self-compacting concretes. The admixture can also be used in the production of reinforced concrete products and structures for various purposes.

OKTOSOL EXTRA grade B can be used in the production of complex additives. The product combines perfectly with lignosulfonates, many commercial accelerators, retarders, defoamers, etc. The minimum sulfate content allows the use of OKTOSOL EXTRA grade B as the basis for complex admixtures for ready-mixed concrete if long-term mobility of the concrete mix is required (more than 2 hours). OKTOSOL EXTRA grade B is used for transportation purposes together with air retaining admixtures in concrete production.



Features	Unit	Value
1 Physical condition and appearance	visible	Mustard-brown powder
2 Bulk density, min (20°C)	kg/m ³	400
3 Dry matter content, min	%w.	92
4 Na ₂ SO ₄ in dry matter, max	%w.	3
5% Acidity, 2.5% water solution	pH	7-9

OKTOSOL Premium

SUPERPLASTICIZER FOR CONCRETE AND MORTARS

OKTOSOL Premium is a concrete admixture with optimum copolymer ratio, synthesis technology and molecular weight distribution, providing maximum plasticizing and water reducing effect on mineral binders of this polymer class. The admixture is used in the production of concrete (including self-compacting mortars).



OKTOSOL Premium can be used in the production of complex additives. OKTOSOL Premium can be perfectly combined with lignosulfonates, many commercial accelerators, retarders, defoamers, etc. It can thus be used both as an effective superplasticizer in its own right and as the basis for the production of a wide range of complex admixtures for ready-mixed concrete, reinforced concrete products and special purpose concrete.

Features	Unit	Value
1 Physical condition and appearance	visible	Mustard-brown powder
2 Bulk density, min (20°C)	kg/m ³	350
3 Dry matter content, min	%w.	95
4 Na ₂ SO ₄ in dry matter, max	%w.	6
5% Acidity, 2.5% water solution	pH	7-9

OKTOSOL E

SUPERPLASTICIZER FOR CONCRETE AND MORTARS

OKTOSOL E is a complex water reducing additive based on modified polymethylene naphthalenesulfonate with optimized molecular weight distribution.

The main field of application of OKTOSOL E is the production of high-strength concretes from highly mobile ready-mixed concrete. It is characterized by a high plasticizing effect that is stable when working with cements of different mineralogical origin. It increases the ultimate strength of concrete by more than 25%.



Features	Unit	Value
1 Physical condition and appearance	visible	Gray-brown powder
2 Bulk density, min (20°C)	kg/m ³	350
3 Dry matter content, min	%w.	91
4 Na ₂ SO ₄ in dry matter, max	%w.	5
5% Acidity, 2.5% water solution	pH	7-9

OKTOSOL FC

DRY POLYCARBOXYLATIVE HYPERPLASTICIZER FOR CONCRETE AND MORTARS

Water reducing and hyperplasticizing additive OKTOSOL FC is a modified polycarboxylate copolymer in powder form produced by spray drying method. OKTOSOL FC is used as an additive in the production and manufacture of gypsum and cement based dry building mixes, concrete and mortar.



Providing a stable plasticizing effect when working with materials of different mineralogical composition, OKTOSOL FC provides a high water-reducing effect of at least 30%, while reducing binder consumption and increasing the early strength of concrete. The recommended dosage of the product is 0.05-0.3% dry matter by mass of the binder. Water reducing and hyperplasticizing admixture OKTOSOL FC is combined with defoamers (recommended for polycarboxylates) and air entraining admixtures.

Features	Unit	Value
1 Physical condition and appearance	visible	White to light gray powder
2 Bulk density	g/cm ³	0,6±0,1
3 Clumping		Withstands the test
4% moisture content, max	%	3
5 Ash mass fraction, max	%	20

OKTOSOL FC-01

DRY POLYCARBOXYLATIVE HYPERPLASTICIZER FOR CONCRETE AND MORTARS

It is an admixture used as a water reducer and superplasticizer for concrete and mortar production as well as for gypsum and cement based dry mortars. It is used to increase oil recovery from wells and to remove solid sediments in oil pipes in oil fields.

Can be used in combination with defoamers recommended for polycarboxylates. Provides a stable flowability effect when working with materials with different mineral ratios. It has more than 30% water reducing effect. Reduces binder consumption. Increases durability.



Features	Unit	Value
1 Physical condition and appearance	visible	White to light gray powder
2 Specific Gravity	g/cm ³	0,6±0,1
3 Clumping		Withstands the test
4% Humidity, max %	%	3
5% Ash content, max %	%	13

OKTOSOL RP S-01

REDISPERSIBLE POLYMER POWDER

Redispersible polymer powder (RDP) is a product of vinyl acetate polymerization in the presence of polyvinyl alcohol, an initiator and a protective colloid produced by spray drying.



The main field of application of OKTOSOL RP (S-01) additive is its use as a binder in dry building mixtures. It has good adhesive properties and high adhesion to various materials, which allows its wide application in the industrial production of dry building mixes. The admixture is not an abrasive component of concrete, does not affect the protective properties of steel reinforcement, does not cause corrosion in the initial state and can be used in the production of reinforced concrete structures in residential and public buildings.

Features	Unit	Value
1 Physical condition and appearance	visible	White to light yellow powder
2 Bulk density	g/cm ³	0,5±0,1
3 Moisture mass fraction, max	%	2
4 Ash mass fraction, max	%	13



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