SikaPlast® 5202 NS

Chemical Base Modified Polycarboxylate

Packaging 255 kg HDPE carboy /Bulk supply

Appearance / Colour Dark Brown Liquid

Shelf Life 12 months from date of production if stored properly in undamaged un opened, original sealed packaging.

Storage Conditions Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

Density ~ 1.08 kg/l at 25°C

Ph value $\geq$ 6

Uses:

Concrete with high water reduction ▪

High efficiency even at low dosage rates

Provides many opportunities for cost improvement Strong water reduction, resulting in high density, high strength and reduced permeability

Less sensitive against variations in aggregates and / or different cement types

Extended workability in conjunction with sub sequent strength development

Superior plasticizing effect, resulting in improved flow, placing and compaction characteristics

Reduced shrinkage during curing and reduced creep when hardened

Dosage:

0.5% to 2.0% by weight of cementitious.

To take advantage of the high-water reduction, a wet mixing time, which is depending on the mixing conditions and mix er performance, of at least 60 seconds is recommended.

Limitations;

Excessive water addition or overdosing may cause bleeding or segregation. Overdosing may cause extension of initial and final set ting times.

SikaPlast® 5203 NS

Chemical Base Modified Polycarboxylate

Packaging 255 kg HDPE carboy /Bulk supply

Appearance / Colour Dark Brown Liquid

Shelf Life 12 months from date of production if stored properly in undamaged un opened, original sealed packaging.

Storage Conditions Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

Density ~ 1.11 kg/l at 25°C

Ph value ≥ 6

Uses:

Concrete with high water reduction ▪

High efficiency even at low dosage rates

Provides many opportunities for cost improvement Strong water reduction, resulting in high density, high strength and reduced permeability

Less sensitive against variations in aggregates and / or different cement types

Extended workability in conjunction with sub sequent strength development

Dosage:

0.2 % to 2.0% by weight of cementitious.

To take advantage of the high-water reduction, a wet mixing time, which is depending on the mixing conditions and mix er performance, of at least 60 seconds is recommended.

Limitations;

Excessive water addition or overdosing may cause bleeding or segregation. Overdosing may cause extension of initial and final set ting times.

Fosroc Conplast SP430

Chemical Base a chloride free, sulphonated naphthalene polymers.

Packaging 210 lit Drum, 1000 lit totes /Bulk supply

Appearance / Colour Brown Liquid

Shelf Life 12 months from date of production if stored properly in undamaged un opened, original sealed packaging.

Storage Conditions Store in dry conditions at temperatures between +2°C and +50°C. Protect from direct sunlight and frost.

Density ~ 1.18 kg/l at 25°C

Uses:

To provide excellent acceleration of strength gain at early ages and major increases in strength at all ages by significantly reducing water demand in a concrete mix.

Major increases in strength at early ages without increased cement contents are of particular benefit in precast concrete, allowing earlier stripping times.
Makes possible major reductions in water/cement ratio which allow the production of high strength concrete without excessive cement contents.

Improved cohesion and particle dispersion minimizes segregation and bleeding and improves pumpability

Dosage:

For normal dosage 0.7- 2 lit/ 100 kg of cementitious. / For high strength, water reduced concrete the normal dosage range is from 1.00 to 3.00 litres/100 kg of cementitious

Full blending of the admixture and the concrete should be ensured by mixing at high speed for a period of at least two minutes

Limitations;

An overdose of double the amount of Conplast SP430 will result in an increase in retardation as compared to that normally obtained. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation. The effects of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used.

Auramix 200

Chemical Base polycarboxilic ether polymer with long lateral chain..

Packaging Auramix 200 is available in 240kg, 250kg drums and bulk tankers.

Appearance / Colour Light Brown Liquid

Shelf Life 12 months from date of production if stored properly in undamaged un opened, original sealed packaging.

Storage Conditions Store in dry conditions at temperatures between +2°C and +50°C. Protect from direct sunlight and frost.

Ph value = 6

Density ~ 1.07 kg/l at 25°C

Uses:

Suitable for concrete having cement replacements and low water cement ratio

Low viscosity admixture suitable for pumping different grades of concrete to greater heights.

Reduces shrinkage cracking because of lower water cement ratio. Makes the concrete water impermeable.

Better resistance to Carbonation.

Increase Durability

Dosage:

Normal dosage ranges between 0.3 to 1.5 precent by weight of total cement or binder content.

It is supplied as a light brown liquid, instantly dispersible in water

Limitations;

Over dosage may cause delay in setting and segregation