



# YOUNG'S CORPORATION

242-8 YANGJAE-DONG, SEOCHO-GU, SEOUL, 137-132, KOREA

TEL: 82-2-555-1040 FAX: 82-2-2057-0399

E-mail: [export@youngscorp.com](mailto:export@youngscorp.com) Website: [www.youngscorp.com](http://www.youngscorp.com)

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## ADDITEX 3044

Dispersant for aqueous paint

ADDITEX 3044 is a polycarboxylic acid type high molecular surfactant specially designed for us as calcium carbonate dispersing agent. It gives very high efficiency in dispersing calcium carbonate inter water and also in lowering the viscosity of calcium carbonate slurries

### Typical Properties

Appearance	: Brown liquid
Composition	: Polycarboxylic acidf type high molecular surfactant
Solid Contents(%)	: 43%
Viscosity (mPa . s)	: 400 cps
Ionic	: Anion
Solubility	: Readily soluble in water and produces a transparent solution

### Characteristics

It improved the dispersion of calcium carbonate and markedly lowers the viscosity of slurry.

The calcium carbonate suspension produce3d with it is so stable to be heated that its viscosity remains unchanged at increased storage and application temperatures.

### Application

When it is used as dispersing agent for calcium carbonate, it is recommended to us about 0.5-0.6% wt. of ADDITEX 3044 as active ingredient /calcium carbonate (13-14 gram of ADDITEX 3044 on 1000 gram of calcium carbonate)

### Handling Precautions

Store 5~40℃ and Keep away from freezing to maintain high efficiency.

### Package

DRUM 220kg net



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## ADDITEX 3024

Dispersant for aqueous paint and ink

ADDITEX 3024 is a newly developed polymeric surfactant which shows excellent dispersing performance for metal, dyestuff, inorganic pigment, plaster and carbon black. Especially, it's good at decreasing viscosity and coloring pigment.

### Typical Properties

Appearance Light yellow liquid  
Composition Polymeric surfactant  
Solid Contents(%)  $40 \pm 2\%$   
pH  $7 \pm 0.5$   
Viscosity (mPa.s)  $1000 \pm 200$ cps  
Specific gravity  $1 \pm 0.1$  (25°C)  
Ionic Anion  
Dispersibility Dispersible in water

### Characteristics

- It has superior performance compare to monomeric dispersant. Less dosage is possible.
- It can applied in fine particle
- It makes high gloss and good coloring effect when it is used in paint and ink.
- It improves leveling of paint and ink.

### Application

- Dispersant for metal, dyestuff, inorganic pigment, plaster, carbon black and ferrite.

### Applicable fields

- Paint for car
- Paint for wood
- Flexographic, Gravure ink

### Applications Informations

It is normally used at a level of 0.4 ~ 1mass% on the weight of the dry solids.

### Handling Precautions

Store 5~40°C and Keep away from freezing to maintain high efficiency.

### Package

CAN 18kg net  
DRUM 180kg net



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## ADDITEX 3520

Dispersant for aqueous paint and ink

ADDITEX 3520 is a newly developed polymeric surfactant which shows excellent dispersing performance for organic pigment and carbon black.

### Typical Properties

Appearance Light yellow liquid  
Composition Polymeric surfactant  
Solid Contents(%)  $35 \pm 2\%$   
pH  $7.5 \pm 0.5$  (5% Soln.)  
Specific gravity  $1 \pm 0.1$  (25°C)  
Ionic Anion  
Dispersibility Dispersible in water

### Characteristics

- It has superior performance compare to monomeric dispersant. Less dosage is possible.
- It can applied in fine particle.
- It makes high gloss and good coloring effect when it is used in paint and ink.

### Application

- Dispersant for metal, dyestuff, organic pigment and carbon black.

### Applicable fields

- Industrial Paint
- Inkjet ink
- Flexographic, Gravure ink
- Pigment coloring agent

### Applications Informations

- It is normally used at a level of 0.4 ~ 1mass% on the weight of the dry solids.

### Handling Precautions

- Keep away from fire, heat or any other possible source of ignition on handling and storage.
- Store 5~40°C and Keep away from freezing to maintain high efficiency.

### Package

CAN 18kg net  
DRUM 180kg net



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## ADDITEX 3200

Polycarboxylic Acid type Dispersant

ADDITEX 3200 is a newly developed Polycarboxylic Acid type surfactant. It shows excellent performance for metal, dyestuff, inorganic pigment, plaster, cement and carbon black etc.,

### Typical Properties

Appearance Light Yellowish Liquid

Composition Polycarboxylate

Solid Content(%) 50%

pH 2.5 ±1.0

Viscosity 70 cps (@ 25 °C)

### Advantages

- . It shows better performance than normal Polycarboxylic acid type dispersant. Less dosage is possible.
- . It shows good performance for fine particle.
- . Dry cost could be saved due to excellent water reducing ability.
- . Good workability

### Application

Dispersant for metal, dyestuff, inorganic pigment, plaster, cement, carbon black and ferrite.

Application Information

- . 0.4~1.0%(solid to solid) dosage is suggested.
- . Use dispersant depends on manufacturing process. (inject 2~3 point)

### Handling Precautions

- . Wear protective eyeglasses, glove and mask on handling.
- . In case of contacts with skin, wash thoroughly with soap.
- . In case of contacts with eye, wash thoroughly with plenty of water immediately and get medical aid.
- . In case of ingestion, move to well ventilated place and get medical aid as soon as possible.
- . Wash your hands with soap thoroughly and gargle after handling.
- . Keep away from fire, heat or any other possible source of ignition on handling and storage.  
Store inside of warehouse before, after use to maintain high efficiency.

### Package

CAN 20Kg

DRUM 220Kg

CNTR 1,000Kg



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## ADDITEX 3102

Dispersing agent for paint,  
Giving Coating film with improved water resistance

ADDITEX 3102 is a newly developed dispersing agent based on the Sodium salt of a proprietary polycarboxylic acid containing a hydrophobic group within its molecular framework.

### Typical properties

Appearance Pale yellowish liquid

Active ingredient 30%

Viscosity less than 200cps

### Outstanding Features

It converts itself to a water-insoluble material on drying and the paint containing this product provides a coating film with an enhanced water resistance comparing with the paints containing the dispersants from the conventional polycarboxylic acids.

### Application

For preparation of pigment slurries, it is used normally as an aqueous together with the other water soluble surfactants.

After addition of a defoaming agent to the solution containing this product and mixing it to an uniform state, pigments and other components such as thickeners are added to the solution.

The its dosage to be used depends upon the kind and the nature of the materials to be dispersed, but this product is effective normally in the amount of 0.1 ~ 1.0% on the weight of the solid components in the formulation.

### Package

Drum : 220kg

Can : 20kg