



# YOUNG'S CORPORATION

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

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

PRODUCT NAME : R-8230

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8230 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8230 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property and Good shape of the exterior paint and roof coatings. This resin has the good adhesion property with the various substrates.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at150°C/1hr)	%	47.0	49.0
2	pH(at 25°C)		8.0	10.0
3	Viscosity(Rvt#3, 50rpm)	Cps	200	1000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	Nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	26	



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PRODUCT NAME : R-8231

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8231 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8231 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property with the various substrates. Its main filed is exterior flat paint with good durability.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at150°C/1hr)	%	47.0	49.0
2	pH(at 25°C)		8.0	10.0
3	Viscosity(Rvt#3, 50rpm)	Cps	100	1000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	Nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	15	



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PRODUCT NAME : R-8235

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8235 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8235 has the high binding force with the inorganic pigments in Waterborne Paint and Putty. It has the excellent water proof property and Good shape of the exterior and gloss paint. This resin has the good adhesion property with the various substrates.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at150°C/1hr)	%	47.0	49.0
2	pH(at 25°C)		8.0	10.0
3	Viscosity(Rvt#3, 50rpm)	Cps	200	1000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	Nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	35	



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PRODUCT NAME : R-8250

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R-8250 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R-8250 has the high binding force with the inorganic pigments in Waterborne Paint and Putty. It has the excellent water proof property and Good shape of the exterior and gloss paint. This resin has the good adhesion property with the various substrates.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at150°C/1hr)	%	49.0	51.0
2	pH(at 25°C)		8.0	10.0
3	Viscosity(Rvt#3, 50rpm)	Cps	0	1000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.05
5	Average Particle size	Nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	20	



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PRODUCT NAME : R8470

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8470 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8470 has the high binding force with other pigments in Cement application. It shows excellent Binding force and good water proof properties.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	46.0	48.0
2	pH(at 23°C)		8.0	10.0
3	Viscosity(Rvt#4, 50rpm)	Cps	0	500
4	Specific Gravity(at 25°C)	g/cm	1.01	1.05
5	Average Particle size	nm	120	250
6	Ionic charge		Anionic	
7	MFFT	°C	17	

## **Applications Examples**

Adhesive for cement and cement mortar, Tile adhesives.

Polymer cement

Reinforcing agent for cement concrete for high strength (Bridges and tunnels)

Waterproof materials

## **Properties**

Excellent cement dispersion properties

Excellent adhesion and compression strength

Excellent water-proofing properties

Excellent weathering and heat resistance

Easy of Using (Good compatibility with defoamer, dispersant and other additives)

## **Formulation guide**

Plasticizer : Texanol, Butyl Carbitol, Butyl Cellosolve

Filler : Calcium carbonate, Silica, Quartz, Dolomite

Dispersing Agent : Nonionic polymeric dispersant, Sodium salt of polyphosphate

Additives : Defoamers (NOPCO-NDW, NXZ), Levelling agent (BYK series)

## **Cautions**

Keep above 0 degree C

Sufficient mixing time is needed for adding plasticizers

Adequate amount of defoamers is needed to prevent air foams which might bring about drop in compressing strength..

Non-ionic surfactants(OP-40, NP-40) are helpful to reducing mixing viscosity of cement and binders, while for faster dispersing of cement polymeric type of non-ionic surfactants are preferred.

Please contact to our research center when needed



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PRODUCT NAME : R8552

Chemical Nature :

copolymer of Vinyl acetate, acrylate, and Veova 10 for the interior paint.

Physical form : Milky-white liquid

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at150°C/1hr)	%	54.0	56.0
2	pH(at 25°C)		3.0	5.0
3	Viscosity(Rvt#3, 50rpm)	Cps		500
4	Specific Gravity(at 25°C)	g/cm	1.04	1.08
5	MFFT	°C	20	

## Applications

- Interior Paint
- Flat / Semi-Gloss Paint
- Low VOC Paint

## Properties

- Good Storage stability
- Good Appearance
- UV & Heat stability
- Low odor
- Minimum Coalescent Needed
- High Dirt Pick-up resistance
- Higher water-resistance than PVAc Paint



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PRODUCT NAME : R8570

## Chemical Nature :

Aqueous anionic dispersion of copolymer of acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8570 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8570 shows high tensile strength in the form of cement mixtures. It has the excellent water proof property and Good Elasticity

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	54.0	57.0
2	pH(at 23°C)		7.0	9.0
3	Viscosity(Rvt#4, 50rpm)	Cps	200	2000
4	Specific Gravity(at 25°C)	g/cm	1.02	1.08
5	Average Particle size	nm	200	400
6	Ionic charge		Anionic	
7	MFFT	°C	-7	





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PRODUCT NAME : R8713

## Chemical Nature :

Aqueous anionic dispersion of copolymer of styrene and acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8713 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8713 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property and good elastic property with the various substrates. Its main application field is interior /exterior low PVC paint.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	47.0	49.0
2	pH(at 23°C)		8.0	10.0
3	Viscosity(Rvt#4, 50rpm)	Cps	300	2000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	35	



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PRODUCT NAME : R8751

## Chemical Nature :

Aqueous anionic dispersion of copolymer of styrene and acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8751 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8751 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property and good elastic property with the various substrates. Its main application field is interior /exterior low PVC paint.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	51.0	53.0
2	pH(at 23°C)		8.0	10.0
3	Viscosity(Rvt#4, 50rpm)	Cps	400	2500
4	Specific Gravity(at 25°C)	g/cm	1.01	1.06
5	Average Particle size	nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	10	



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PRODUCT NAME : R8768

## Chemical Nature :

Aqueous anionic dispersion of copolymer of styrene and acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8768 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8768 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property and good adhesion property with the various substrates. Its main application field is flat paint and high solid acrylic undercoat. It also can be used as primer.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	47.0	49.0
2	pH(at 23°C)		8.0	10.0
3	Viscosity(Rvt#4, 50rpm)	Cps	300	3000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	20	



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PRODUCT NAME : R8771

## Chemical Nature :

Aqueous anionic dispersion of copolymer of styrene and acrylic monomers. This product does not contain any plasticizers or solvents

## Physical form :

Milky White Liquid

## Storage :

Acrylic polymer R8771 has a shelf life of 12 months. The air in the headspace of bulk storage tanks must be kept saturated with water vapor at all times

## Application

Acrylic polymer R8771 has the high binding force with the inorganic pigments in Waterborne Paint. It has the excellent water proof property and good elastic property with the various substrates. Its main application field is interior /exterior elastic coatings.

## Technical Specification

		Unit	Low limit	Upper limit
1	Non-volatile fraction(at 105°C/60 min)	%	48.0	50.0
2	pH(at 23°C)		8.0	10.0
3	Viscosity(Rvt#4, 50rpm)	Cps	200	2000
4	Specific Gravity(at 25°C)	g/cm	1.01	1.08
5	Average Particle size	nm	100	200
6	Ionic charge		Anionic	
7	MFFT	°C	10	