



EMULSION RESINS & SPECIALITY ADDITIVES



EAGLE CHEMICALS™
RENEWS YOUR YOUTH LIKE THE EAGLE

STYRENE ACRYLICS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT \pm 1 °C	Application	Special Features
C-EAGLE (SA5/46)	46 \pm 1	Styrene acrylic	0.06	7.5 - 9	1.04 Kg/L	1000 - 3000	20	Exterior and interior paints, medium to high PVC paints, cementitious coatings, sheen paints, water base sealers and saturators. APEO free	High scrub resistance
C-EAGLE (SA72/50)^o	50 \pm 1	Styrene acrylic	0.06	7.5 - 9	1.04 Kg/L	4000 - 8000	20	Very fine particle size to give excellent & extremely high scrub resistance (over 3000 cycles @8% binder content). Low dirt retention exterior and interior paints, medium to high PVC paints, cementitious coatings, water base sealers and saturators. (Due to its very fine particle, it needs good water wettability). APEO free	Ultra high scrub resistance in HPVC paints
C-EAGLE (SA62/50)	50 \pm 1	Styrene acrylic	0.06	7.5 - 9	1.04 Kg/L	4000 - 8000	18	Excellent scrub resistance at low binder content (3 times better than competitors). Exterior and interior, high filled thick coatings. It is the modified grade of C-Eagle (SA72/50)50% to work smoothly with any type of water @high PVC paints. APEO free	Stable viscosity in HPVC paints if water has higher metal content
C-EAGLE (SA85/50)**	50 \pm 1	Styrene acrylic	0.06	7.5 - 9	1.04 Kg/L	4000 - 8000	17	Interior paints having high gloss, low dirt retention exterior and interior paints, low to high PVC paints, cementitious coatings, water based sealers and saturators. APEO free	Glossy coatings
C-EAGLE (SA70/50)	50 \pm 1	Styrene acrylic	0.1	7 - 8.5	1.04 Kg/L	4000 - 8000	17	Cementitious coatings, water based sealers and saturators. APEO free	Excellent color tinting bases. High freeze - thaw stability
C-EAGLE (SA65/50)	50 \pm 1	Styrene acrylic	0.1	7.5 - 9.5	1.01 Kg/L	4000 - 8000	5	Flexible coatings, crack bridging systems, roof coating, resin bound plasters and textured coatings, silicate paints and silicate plasters. APEO free	Elastomeric with high elongation
C-EAGLE (SA27/50)	50 \pm 1	Styrene acrylic	0.06	7.5 - 9.5	1.04 Kg/L	2000 - 4000	2	Elastomeric polymer, crack bridging systems, roof coating, resin bound plasters and textured coatings. APEO free	Excellent dirt pick up resistance, water resistance and high tensile strength. Stable in extreme weather conditions

PURE ACRYLICS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT \pm 1 °C	Application	Special Features
C-EAGLE (PA15/50)	50 \pm 1	Pure acrylic	0.06	8 - 9	1.06 Kg/L	500 - 2000	17	Sheen paints, cementitious coatings, decorative plasters, interior paints at wide PVC rate and top coatings. APEO free	High gloss paints, excellent color compatibility in deep shade colors
C-EAGLE (PA16/50)^o	50 \pm 1	Pure acrylic	0.07	8 - 9	1.06 Kg/L	< 500	18	Excellent water resistance, excellent resistance to hydrolysis on masonry, excellent scrub resistance, excellent wet and dry adhesion to aged alkyd paints, masonry, wood, metal substrates and excellent response to rheology modifiers. APEO free	Excellent long term durability for exterior coatings
C-EAGLE (PA17/50)	50 \pm 1	Pure acrylic	0.06	7 - 9	1.05 Kg/L	500 - 2000	16	High dirt pick up resistance sheen paints for exterior and interior coatings. APEO free	High dirt pick up resistance, excellent resistance towards UV radiation with very high heat stability
C-EAGLE (PA7/45)^o	45 \pm 1	Pure acrylic	0.06	8 - 9	1.04 Kg/L	50 - 500	1	Modified acrylic copolymer emulsion with excellent water resistance use for wood coatings, decorative paints, industrial coatings, parquet lacquers, metal and plastic top coats. APEO free	Excellent water resistance, high block resistance and non water whitening effect
C-EAGLE (PA43/56)	56 \pm 2	Pure acrylic	0.1	7 - 9	1.03 Kg/L	500 - 4000	2	Cement additive, joint fillers and sealing compounds with good adhesion to a wide variety of substrates. APEO free	Excellent flowability / Cement compatibility

* Available in LV

^o Can be supplied as Green (Eco label)



COPOLYMERS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT \pm 1 °C	Application	Special Features
C-EAGLE (VV50/55)	55 \pm 1	Vam versatate	0.16	4 - 5	1.07 Kg/L	4000 - 6000	14	Good quality exterior & interior coatings with long term durability and flexibility	High Sheen
C-EAGLE (VV19/55)	55 \pm 1	Vam versatate	0.14	4 - 5	1.06 Kg/L	3000 - 6000	14	It has low water uptake, high flexibility, excellent pigment binding properties, which makes it suitable for top quality high to low PVC paints. It's recommended for the formulation of exterior decorative paints. APEO free	High alkali resistance with long term durability
C-EAGLE (VV40/50)^o	50 \pm 1	Vam versatate	0.2	4 - 5	1.05 Kg/L	2000 - 6000	5	High mechanical stability makes it suitable in the formulation of smooth and sand textured coatings, emulsion putties and other coatings. Excellent gloss in silk, gloss and semi gloss paints. Good washability in a wide PVC range. APEO free	Economic, high sheen, excellent workability for putty and textured coatings
C-EAGLE (VV20/50)** ^o	50 \pm 1	Vam versatate	0.17	4 - 5	1.06 Kg/L	2000 - 4000	14	Silk paints, sheen paints, deep shade paints, roof paints, etch primers. Used in both exterior, interior paints and textured coatings	High sheen with long term durability
C-EAGLE (VV44/50)	50 \pm 1	Vam versatate	0.25	4 - 5	1.06 Kg/L	4000 - 8000	5	Gloss paints, sheen paints, deep shade paints, roof paints, etch primers. Used for both exterior and interior paints and textured coatings. Designed to offer very high pigment binding power in a wide PVC range. APEO free	High opacity and high scrub resistance
C-EAGLE (VV36/50)	50 \pm 1	Vam versatate	0.18	4 - 5	1.04 Kg/L	3000 - 6000	14	Good pigment binding characteristic in a wide PVC range for matt, vinyl silk decorative paints and UV resistant exterior paints. Excellent color compatability, APEO free	Excellent color tinting bases. High gloss
C-EAGLE (VV60/50)	50 \pm 1	Vam versatate	0.15	4 - 5	1.04 Kg/L	4000 - 8000	5	Gloss paints, sheen paints and deep shade paints. Used for both exterior and interior paints and textured coatings. Confers high pigment binding power in a wide PVC range. APEO free	Thixotropic, high gloss and viscosity
C-EAGLE (VA51/58)	58 \pm 1	Vinyl acrylic acid ester	0.2	4 - 6	1.06 Kg/L	2000 - 6000	10	Suitable for most interior coatings from flat to semi gloss, textured coatings, primers and plasters. Good scrub resistance coatings with good outdoor durability. APEO free	Economic high solid for semi gloss paints
C-EAGLE (VA33/55)	55 \pm 1	Vinyl acrylic acid ester	0.2	4 - 5	1.06 Kg/L	2000 - 6000	10	Interior coatings from flat to semi gloss, textured coatings, primers and plasters. APEO free	Economic, flat to glossy and textured coatings
C-EAGLE (VA10/51)	50 \pm 1	Vinyl acrylic acid ester	0.2	4 - 5	1.08 Kg/L	500 - 2000	10	Sheen paints, deep shade paints, exterior paints and textured coatings with good flexibility and durability	Economic multipurpose coatings
C-EAGLE (VM86/55)	55 \pm 1	Vinyl acetate maleinate ester	0.18	4 - 5	1.08 Kg/L	6000 - 10000	9	It's suitable in the formulation of water based paints, smooth and sand textured coatings, emulsion putties and other coatings where the dispersion may be introduced at let down and mill base stages	High mechanical stability, textured coatings and putties

TERPOLYMERS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT \pm 1 °C	Application	Special Features
C-EAGLE (VVA28/55)^o	55 \pm 1	Terpolymer	0.26	4 - 5	1.05 Kg/L	1000 - 3000	12	Thick coatings, silk or gloss paints, sheen paints, deep shade paints, roof paints and etch primers. Due to the excellent combination of selected monomers ratio, we highly recommend this product to replace the pure acrylic for outdoors. Both exterior and interior paints and textured coatings with high scrub resistance in high PVC paints. APEO free	Excellent UV resistance, high solid with very high gloss and scrub resistance
C-EAGLE(VVA25/50)	50 \pm 1	Terpolymer	0.2	4 - 5	1.05 Kg/L	500 - 3000	12	Durable gloss paints, sheen paints, deep shade paints, roof paints. Highly recommended for medium to high PVC paints with high scrub resistance. Used in both exterior and interior paints and textured coatings. Due to the excellent combination of selected monomers ratio, we highly recommend this product to replace the pure acrylic for outdoor	Excellent UV resistance, economic, high scrub resistance and good sheen
C-EAGLE(VVA23/50)^o	50 \pm 1	Terpolymer	0.2	4 - 5	1.05 Kg/L	1000 - 3000	12	Gloss paints, sheen paints, deep shade paints, roof paints and etch primers. Used in both exterior and interior paints and textured coatings. Good pigment binding power in a wide PVC range	Economic, high scrub resistance and good sheen

** Available as C4 (MFFT = 4°C)

^o Can be supplied as Green (Eco label)

HOMOPOLYMERS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT ± 1 °C	Application	Special Features
H-EAGLE (360/60)	60 \pm 1	Poly vinyl acetate	0.47	4 - 6	1.1 Kg/L	25000 - 40000	15	Fast setting wood glues, paper adhesives, fast setting machine applied adhesive and cigarette	High solid content with fast setting applications
HP-EAGLE (355/54)	54 \pm 1	Plasticized poly vinyl acetate	0.4	3 - 4	1.05 Kg/L	30000 \pm 10000	0	Paper adhesives, adhesives for book binding and clear film	Paper adhesives
H-EAGLE (120/50)	50 \pm 1	Poly vinyl acetate	0.25	2.8 - 3.6	1.08 Kg/L	9000 - 15000	4	D3-type adhesive in accordance with DIN EN-204. Water resistant wood glues and paper adhesives, suitable for the short contact lamination of panels with formica finishing and for post forming finishes of panel edges and profiles	D3 and D4 type adhesive for exterior applications
H-EAGLE (180/50)	50 \pm 1	Poly vinyl acetate	0.3	6 - 8	1.07 Kg/L	12000 - 24000	3	Due to the very fine particle size, we highly recommend it for hard wood adhesives. Suitable for the manufacture of fast setting wood glues and joinery corpus laminations	Fast setting glues
H-EAGLE (400/50)	50 \pm 1	Poly vinyl acetate	0.6	4 - 5	1.07 Kg/L	40000 \pm 10000	15	Emulsion putty, high heat resistant fast setting wood glues, edge bonding and laminations of formica to chip board and joinery glues	Emulsion putty & heat resistance adhesive
H-EAGLE (850/50)	50 \pm 2	Poly vinyl acetate	0.4	3 - 5	1.07 Kg/L	85000 - 110000	11	Water resistant general purpose wood glues, paper adhesives, floor, wall and ceiling adhesives. Suitable for emulsion putty	Excellent water resistant adhesives
H-EAGLE (510/50)	50 \pm 1	Poly vinyl acetate	0.5	4 - 6	1.06 Kg/L	60000 \pm 10000	13	Wood glues, paper adhesives, floor, wall and ceiling adhesives. Suitable for the manufacture of wood glues for hard wood	Hard wood adhesives
HP-EAGLE (950/50)*	50 \pm 1	Plasticized poly vinyl acetate	0.4	4 - 7	1.07 Kg/L	90000 - 110000	5	Economic wood glues, paper adhesives, floor, wall and ceiling adhesives, ready to use adhesive with high viscosity and clear film	Economic wood glues
HP-EAGLE (900/45)	45 \pm 1	Plasticized poly vinyl acetate	0.3	3 - 5	1.06 Kg/L	90000 - 110000	5	Economic wood glues, paper adhesives, floor, wall and ceiling adhesives, ready to use adhesive with high viscosity and clear film	High viscosity ready to use glue
H-EAGLE (310/40)	40 \pm 1	Poly vinyl acetate	0.4	3 - 5	1.03 Kg/L	20000 - 50000	15	Wood glues, paper adhesives, floor, wall and ceiling adhesives, ready to use adhesives with medium viscosity and clear film	Ready to use glue

EAGACRYLS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT ± 1 °C	Application	Special Features
EAGACRYL-6050^o	50 \pm 1	Synthetic acrylic latex	0.06	9 - 11	1.03 Kg/L	\leq 500	7	Promotes a non yellowing appearance after many time of outdoor UV radiation, tracking resistance, early wash-off resistance with good dirt pick-up resistance. APEO free	Water borne road marking applications
EAGACRYL-121^o	45 \pm 1	Synthetic acrylic latex	0.08	6 - 8	1.05 Kg/L	\leq 500	29	Wood finishes for both forced and ambient drying conditions in combination with urethane dispersions in parquet lacquers, topcoats on primed various substrates. APEO free	Self cross-linking binder for wood coatings
EAGACRYL-162^o	40 \pm 1	Synthetic styrene/ acrylic latex	0.08	8.5 - 9.5	1.04 Kg/L	\leq 300	25	Clear coats for metal, combined with polyurethane dispersions to optimize mechanical surface properties, metal finishes and primers. APEO free	Metal anti-corrosion and DTM applications
EAGACRYL-50^o	42 \pm 1	Synthetic acrylic latex	0.07	6 - 8	1.04 Kg/L	\leq 200	35	Parquet lacquers blended with urethane dispersions. Recommended to improve abrasion resistance, yellowing resistance, adhesion to plastics, cardboard and good UV resistance. APEO free	Sealer and general wood coating applications

SPECIAL BINDERS FOR INDUSTRIAL APPLICATIONS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT ± 1 °C	Application	Special Features
Pressure Sensitive Adhesives									
EAGATAPE-56	56 \pm 1	Acrylic acid ester	0.2	7.5 - 8.5	1.03 Kg/L	100 - 300	0	Pressure sensitive adhesive that confers excellent adhesion power for polypropylene carton sealing tapes, low noise packaging tapes, printed tapes, consumer tapes, aluminum tapes, book covers and strapping tapes	Ready to use low noise PSA for tapes industry
EAGAPROTECT-30	56 \pm 1	Acrylic acid ester	0.2	7.5 - 8.5	1.03 Kg/L	100 - 400	0	Pressure sensitive adhesive for protective film applications. It's suitable for different substrates like wood, stainless steel and PVC	Ready to use low noise PSA for surfaces protection applications
EAGASTICK-55	55 \pm 2	Acrylic acid ester	0.2	7.5 - 8.5	1.03 Kg/L	400 - 1200	0	Pressure sensitive acrylic emulsion latex with unique balance between peel, shear strength and tack for low noise stickers and filmic labels on several substrates	Ready to use low noise PSA for labels and stickers industry

* Available in LV

^o Can be supplied as Green (Eco label)



SPECIAL BINDERS FOR INDUSTRIAL APPLICATIONS

Product	Solid	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT±1 °C	Application	Special Features
◆ Lamination									
C-EAGLE (VM150/56)	56 ± 1	Vinyl acetate maleinate ester	0.4	3 - 5	1.05 Kg/L	10000 - 20000	0	Paper adhesives, laminations, floor, wall and ceiling adhesives, PVC films, PU foams, polystyrene wall plates and cellulosic films	Porous/non porous substrates adhesives
◆ Textiles									
CT-EAGLE (VA40/40)	40 ± 2	Vinyl acrylic acid ester	0.1	5 - 6	1.03 Kg/L	< 200	12	Binder for pigment printing on all types of fiber. It produces prints with particularly soft handle, very good all round fastness properties and excellent resistance to mechanical strain	Excellent pigment compatibility for textile printing
HT-EAGLE (320/50)	50 ± 1	Poly vinyl acetate	0.5	3 - 4	1.07 Kg/L	30000 ± 10000	15	Binder and coating agent for non woven, needle felts, carpets and adhesive for industrial applications	Stiffening agent for textile industry
◆ Dispersing Agents									
DC-EAGLE (SS2/45)	45 ± 2	Sodium salt of polyacrylic acid	N/A	8 - 10	1.29 Kg/L	≤ 500	N/A	Imparts high wetting /sequestering properties into the deflocculating agent, thus offering enhanced pigment /mineral grinding, resulting into low viscosity slurry	Dispersing agent for ceramics industry applications
D-EAGLE (SS44/45)	45 ± 2	Sodium salt of polyacrylic acid	N/A	7.5 - 9	1.29 Kg/L	≤ 400	N/A	Homopolymer polyacrylic acid sodium salt with low molecular weight for detergent industry applications	Dispersing agent for industrial /institutional detergents applications
D-EAGLE (SS15/40)	40 ± 2	Maleic / Acrylic acid copolymer, Na-salt	N/A	6 - 9	1.25 Kg/L	1000 - 4000	N/A	Very versatile dispersing agent, stabilizing and protective colloid action on finely divided organic and inorganic solids in aqueous media and in mixtures of water and organic solvents	Dispersing agent for industrial /institutional detergents and textile applications
◆ Fire Guard									
EAGLE FIREGURD 55	55 ± 1	Vam versatate	0.16	4 - 5	1.06 Kg/L	2000 - 6000	14	Recommended for intumescent fire retardant coatings (IT-FRC) with excellent compatibility with formulation ingredients. Used for gloss paints, sheen paints, deep shade paints, roof paints and textured coatings. APEO free	High solid alkali resistance, high elasticity for intumescent fire retardant coatings
EAGLE FIREGURD 50	50 ± 1	Vam versatate	0.18	4 - 5	1.06 Kg/L	3000 - 6000	5	Silk paints, sheen paints, deep shade paints, roof paints and etch primers. Used for both exterior and interior paints and textured coatings. Recommended for intumescent fire retardant coatings (IT-FRC)	Alkali resistance and high elasticity



SPECIAL ADDITIVES FOR COATINGS

Product	Active Content	Composition	Mean Particle Size in μm	PH @23°C	Density @23°C	Viscosity cP @23°C	MFFT±1 °C	Application	Special Features
◆ Dispersing Agents									
WD-EAGLE (AS4/40)	40 ± 2	Ammonium salt of polyacrylic acid	N/A	7.5 - 9	1.20 Kg/L	≤ 400	N/A	Wetting and dispersing agent for inorganic pigments and fillers in aqueous systems for stabilizing emulsion paints	Wetting and dispersing agent for emulsion paints and coatings
WD-EAGLE (SS4/40)	40 ± 2	Sodium salt of polyacrylic acid	N/A	7.5 - 9	1.30 Kg/L	≤ 400	N/A	Wetting and dispersing agent for inorganic pigments and fillers in aqueous systems for stabilizing emulsion paints	Wetting and dispersing agent for emulsion paints and coatings
◆ Acrylic Thickeners									
EAGAHASE-LS 001	29 ± 1	Synthetic all acrylic thickener	0.07	1.8 - 3.5	1.05 Kg/L	≤ 100	N/A	Gives a clear and viscous solutions when it's diluted with water and neutralized with a base. Effective in improving low shear rate viscosity, resulting in paints that have highly shear thinning characteristics. Compatible with soaps, synthetic detergents and dispersing agents	Rheology modifier and thickener for several applications
EAGAHASE-HS 095	29 ± 1	Synthetic all acrylic thickener	0.07	1.8 - 3.5	1.05 Kg/L	≤ 100	N/A	Gives a clear and viscous solutions when it's diluted with water and neutralized with a base. Effective in improving low shear rate viscosity, resulting in paints that have highly shear thinning characteristics. Compatible with soaps, synthetic detergents and dispersing agents	Rheology modifier and thickener for several applications
◆ Formaldehyde Scavenger									
EAGAGREEN FS-20	20 ± 2	Formaldehyde scavenger	N/A	9 - 11	1.03 Kg/L	≤ 100	N/A	Highly effective scavenger for all volatile aldehydes, especially formaldehyde. Used in all emulsion polymers' types	Formaldehyde scavenger
◆ Alkyd Emulsifier									
ES-EAGLE4045	45 ± 2	Emulsifying resin for solvent base systems	N/A	7.5 - 9	1.25 Kg/L	200 - 600	N/A	High molecular weight liquid resin with excellent emulsifying action (have hydrophilic head (water lover) and hydrophobic tail (alkyd or oil lover) to form steric stable colloidal suspension	Emulsifying resin for solvent base systems
◆ Wax Dispersion									
EAGAWAX 265	6.5	Xylene/butyl acetate/N-butanol		105 °C		20 μm		Improves the orientation of effect pigments, enhances the flip-flop effect. Short wave defects are minimized and leveling of the subsequent clear coat layer is improved. Settling in the container is also reduced	Solvent borne metallic base coats for automotive refinishes

EL Shark Company for Trade & Industry / Eagle Polymers Company

www.eagle-chemicals.com

Head Office

72 B/2, Hegaz St., Roxy, Cairo, Egypt
Tel: +20 2 22596601/2/9
Fax: +20 2 22596612
Gsm: +20 1000776659
Postal code: 1134

Customer Service Department

Tel: +20 2 22596601/2/9 - EXT: 107
Email: cs@eagle-chemicals.com

Logistics Department

Tel: +20 2 38202871/2 - EXT: 112
Email: Logistics@eagle-chemicals.com

Factories

**Solvent Borne Resins
& Acrylics + UPR plants**

Industrial Zone # 2, Part no.233,
6th October Egypt
Tel: +20 2 38202871/2
Fax: +20 2 38202481
Gsm: +20 12 86299222

Emulsion Resins plant

Engineering Square (E2)
Industrial Complex
North Extensions Industrial
Zone
Part NO# B4- H2- H4 H6
6th October, Egypt