



Excellence by chemistry



POLYMER EMULSIONS FOR DECORATIVE PAINTS



HEXA
B I O C H E M

STYRENE ACRYLIC CO-POLYMER EMULSION

Product	Physical Parameter	Salient Features	Application
CHIRIBOND 250	Solid : 50% ± 1 Viscosity : 30–80 Poise pH : 7.5–9.0 MFFT : 18 ± 2 °C	High performance emulsion Excellent water resistance Excellent UV resistance Superior wet scrub and dirt pickup resistance Tough and hard films Durable film properties	Interior & exterior paints Paint emulsions Texture wall finish Superior pigment loading
CHIRIBOND 243	Solid : 50% ± 1 Viscosity : 30–60 Poise pH : 7.5–9.0 MFFT : 18 ± 2 °C	Good water resistance Good UV resistance Good wet scrub and dirt pickup resistance Tough and hard film Durable film properties	Interior & exterior paints Paint emulsion Texture wall finish Superior pigment loading
CHIRIBOND 345	Solid : 45% ± 1 Viscosity : 5–20 Poise pH : 7.5–9.0 MFFT : 16 ± 3 °C	Excellent water resistance Excellent UV resistance Tough and hard films Durable film properties	Interior & exterior paints Texture wall finish

PURE ACRYLIC EMULSION

Product	Physical Parameter	Salient Features	Application
CHIRIBOND PA 50	Solid : 50% ± 1 Viscosity : 5–20 Poise pH : 7.5–9.0 MFFT : 12 ± 2 °C	Excellent water resistance Durable and flexible films Non-blocking films	High performance elastomeric coatings, paint emulsions
CHIRIBOND PA 55	Solid : 55% ± 1 Viscosity : 5–20 Poise pH : 7.5–9.0 MFFT : 12 ± 2 °C	Excellent water resistance Glossy film properties Durable and flexible films Non-blocking films	High sheen and gloss Interior & exterior paints Paint emulsions
CHIRIBOND 359	Solid : 55% ± 1 Viscosity : 1–10 Poise pH : 7.5–9.0 MFFT : 15 ± 2 °C	Excellent water resistance High sheen and glossy film Excellent scrub resistance and dirt pickup resistance	High sheen and gloss Interior & exterior paints Paint emulsions

THICKENERS AND RHEOLOGY MODIFIERS

Product	Physical Parameter	Salient Features	Application
CHIRIBOND 72 (Acrylic Co-Polymer Emulsion)	Solid : 30% ± 1 Viscosity : 1-3 Poise pH : 2.0–4.0	HASE thickener Flow and leveling agent Compatible with PU thickener Excellent thickening efficiency	Thickening agent Rheology modifier All type of paint emulsions
CHIRIBOND 70 (Acrylic Co-Polymer Emulsion)	Solid : 29% ± 1 Viscosity : 1-2 Poise pH : 3.0–4.0	Compatible with PU thickener Excellent thickening efficiency	All type of paint emulsions
CHIRIBOND TH-10 (Ammonium Poly-Acrylate)	Solid : 22% ± 1 Viscosity : 50- 120 Poise pH : 8.5–10.0	Ammonium poly-acrylate base thickener Good flow and leveling efficiency	Interior & exterior paint emulsions

VAM-ACRYLIC EMULSION

Product	Physical Parameter	Salient Features	Application
CHIRIBOND 06 (VAM-acrylic copolymer)	Solid : 58% ± 1 Viscosity : 5-20 Poise pH : 3.5 – 5.5 MFFT : 12 ± 2 °C	Excellent water resistance Good wet scrub resistance Superior pigment loading Good compatibility of all type of pigments	Interior paint emulsions Economic paints
CHIRIBOND VV 55 (VAM-VeoVa copolymer)	Solid : 55% ± 1 Viscosity : 5-20 Poise pH : 3.5 – 5.5 MFFT : 13 ± 2 °C	Excellent water resistance Superior pigment loading Good wet scrub Good compatibility of all type of pigments	Interior paint emulsions Water resistance coatings
CHIRIBOND 50 (Poly-vinyl acetate homopolymer)	Solid : 50% ± 1 Viscosity : 400 - 600 Poise pH : 4.0 – 6.0 MFFT : 10 ± 3°C	Hard, flexible film properties Superior pigment loading	Putties and low cost distempers
CHIRIBOND 50H (Poly-vinyl acetate homopolymer)	Solid : 50% ± 1 Viscosity : 600 - 1000 Poise pH : 4.0 – 6.0 MFFT : 10 ± 3°C	Hard, flexible film properties Superior pigment loading	Putties and low cost distempers

DISPERSING AGENTS

Product	Physical Parameter	Salient Features	Application
CHIRIBOND DS 620 (Salt of poly-acrylic acid)	Pale yellow liquid Solid : 30% ± 1 Viscosity : 1- 10 Poise pH : 8.0 – 10.0	Excellent dispersion property Low foaming	Organic & inorganic pigments, extenders.
CHIRIBOND DS 820 (Salt of Poly-Acrylic Acid)	Pale yellow liquid Solid : 35% ± 1 Viscosity : 1 - 10 Poise pH : 8.0 – 10.0	High performance dispersion property	Organic & inorganic pigments, extenders.

DEFOAMER

Product	Physical Parameter	Salient Features	Application
CHIRIMOL SDF	Silicone based defoamer Milky white emulsion Ionic Nature : Nonionic pH value : 5.5 -7.5	Dispersible in water Compatible with colourant and nonionic, anionic and cationic auxiliaries.	Generally 1 to 5 gpl SDF will provide good foam control. Ideally suited to constant metering techniques.
DEFOAMER 3001	Mineral oil based defoamer Opaque off-white liquid Viscosity@ 25 °C: 1 - 8 Poise	Homogeneous liquid of good shelf stability. Combines quick knockdown of foam with long lasting efficiency. Unaffected by extremes of temperature and pressure.	Degassing of PVC suspension resins and emulsions. Generally 0.1 – 0.5% Defoamer 3001 will provide good foam control.

IMPORTANT: The information given herein corresponds to our practical experiences and to the best of our knowledge accurate. No warranty is expressed or implied regarding the accuracy of said data. Owing to differences in local conditions, it is the user's responsibility to determine the suitability of the products described herein for their use. We disclaim any liability concerning the use of any material supplied by us.

CHEMICAL BUSINESS UNIT

Chiripal Group is a multi-faceted business conglomerate founded in 1972. Chiripal Group has more than Rs. 10,000 Cr (\$ 1.3 Bn) of annual turnover and employs about 20,000 individuals. Chiripal is a comprehensive textile house with facilities of spinning, weaving, knitting, processing & manufacturing of Denim & terry towels. Chiripal Group has very diversified business activities in the field of Textiles, Petrochemicals, BOPP Films, BOPET Films, Chemicals, Infrastructure & education sector.

The Chemical Division manufactures textile chemicals including polysol (hardeners), binders and speciality auxiliaries for pretreatment, dyeing, printing & finishing of various fabrics. The products for textile applications are marked with CHIRIMOL, CHIRITEX & CHIRISOFT brands. It also produces synthetic adhesives including pressure sensitive adhesives (PSA) and wood adhesives under the brand umbrella of TIKAWOO.

It is one of the leading manufacturers of water based polymer emulsions for paints and coating industry in commitment to world class standards. The products for specific applications in the paint industry are offered under the brand name CHIRIBOND. They are fast drying, durable and resistant to washing, scrubbing and water vapor permeability. There are different products for external as well as internal application and coating with finishes like high sheen and matte.

Keeping in view the social responsibility of protecting the environment quality and preventing and controlling pollution the Chemical Division has adopted the best environmental management practices. It has designed clean and automatic manufacturing plants for a cleaner environment. The division manufactures ozone-free products which are eco-friendly.

Our research and development activities have helped us to roll out new products which are eco-friendly as well as efficient in solving problems in different areas to meet our customer requirements.

The Chemical Division has a vision for the future. For this, the Division is continually working on developing niche products for industries other than textiles like Paints, Leather, Paper, Packing, and Surface coating. It is focusing on providing critical and technical solutions to meet the customer requirements most efficiently and cost-effectively. Moreover, the state of the art technology, efficient supply chain systems and MIS help in understanding tomorrow's needs today.



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