

PAINTS
COATINGS
INKS

CERAMIC
REFRACTORIES

PLASTIC
POLYMERS
PAPER

TEXTILES

SYNTHETIC RESINS
RUBBER

PHARMACEUTICALS

OILFIELD
PETROLEUM

LEATHER

PERSONAL
HOME
&
INDUSTRIAL CARE



Rank[®]
Additives

PERFORMANCE ADDITIVES &
SPECIALTY PRODUCTS

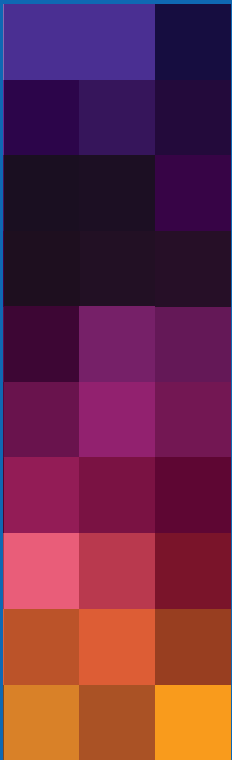
COMPANY Profile

Rank Techno Chem Industries was incorporated in 2002 located at Godhra, state of Gujarat, India. After changed status of our firm from Partnership to Private Limited Company, which has renamed as **Rank Additives Pvt Ltd**, on 16th JUNE 2006.

Rank Additives as a one of the world's leading specialty additives companies, **Rank Additives** contributes to value creation with innovative and sustainable solutions for customers from many industries. Our portfolio is designed to meet very specific needs with as much precision as possible. At the same time, our research and development is focused on addressing the key trends of our time. These include energy efficiency, renewable raw materials, emission-free mobility, and conserving finite resources.

Our business unit is divided into many business areas such as

- Performance Additives for Paints, Coatings and Inks
- Performance Chemicals for Leather
- Performance Chemicals for Textiles
- Performance Additives for Oilfield and Petroleum
- Performance Additives for Plastic and Polymers
- Performance Additives for Paper and Pulp
- Personal and Home & Industrial Care Products
- Pharmaceuticals Ingredients Ceramic and Refractories Chemicals
- Performance Additives for Synthetic Resins and Rubber



PRODUCTION & Quality

Rank Additives is dedicated to supplying its customers in a timely fashion with products which meet or exceed expectations.

Semi continuous, batch process with individual batch 0.500 MT to 8 MT and more than 250 different products with chemicals combinations and different production techniques to get optimum results in terms of cost, quantity, services, stringent quality control at each stage of production to meet customer satisfactions and achieve the set mission of becoming the most preferred speciality additive supplier.

Our company is ISO – 9001 : 2015 certified.





PERFORMANCE Additives for Paints, Coating & Inks

A substance that is added to an uncured coating to improve its physical and chemical properties.
Additives often drastically change a coating's behavior and performance.

Rank Additives, Global Expert in waterborne coatings / solvent based coating and polymer system of specialties Additives.

Rank Additives products, when used as additives during formulations, provide outstanding benefits: enhanced surface wetting, improved coating adhesion to substrate, superior dispersion stability and gloss, enhanced color development and stability, better foam control.

In addition, these products are effective in minimizing production mixing time and improve manufacturing efficiency. "Our expertise in formulations, rheology, surface modifications and polymer associations, gives us the ability to deliver custom-made solutions adapted to niches' needs and customers' particular requirements. Committed to sustainable development, we also support the industry with low / Zero VOC and APEO free Wetting Agent, as well as 'easy-to-formulate' solutions."

Many kinds of raw materials are used in the process of paint formulation. These materials are divided into three main component groups, namely, resins, pigments and solvents. In addition, there is a group of additives which are used in small quantities. These additives are intended for improving the quality of paints by functioning in various ways.

Features

Low VOCs: VOCs are volatile organic compounds that can be dangerous to humans and the environment. Many paint additives and paints, especially oil-based paints, contain VOCs. Look for additives with low VOCs for your own safety and that of the environment.

Solutions for the Coatings Industry

Providing solutions that add value to your business Rank Additives dedicated coatings team of technical, regulatory and commercial experts work with you to provide you with the best products and services for your coatings needs.

Our strengths..... Your advantage

- Widest product range
- Technical information and expertise
- Tailor made solutions
- On time in full deliveries
- Reliable product supply
- In depth industry knowledge
Indian network of local sales, technical
and distribution teams providing rapid
response to customer enquiries
- Serious about safety, product
Stewardship and the environment

WE WANT TO
Meet Your Needs



Anti-Settling Agent
Anti-Gassing Agent
Anti-Skinning Agent
Additives for water incorporation into alkyd System
Compatibilizers for Universal Colorants
Defoamer
Dispersing Agent
pH Neutralizer
Silicone Control Additives
Wetting Agent
Thixotropic Agent & Rheological Modifiers
Technical Preservative
Wax Emulsion



Additives for Water-Borne

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Compatibilizer for Universal Colorants									
Rank Add - 5301	65 %	Wetting agent with an anionic charge	PG/Water	It is a compatibilizer additives helps to improve the compatibility between water-borne universal colorants and solvent-borne base paints.	■	■	■		■
Humectants									
Rank Add – G/550	100 %	Low molecular weight of polyalkylene glycols	–	Humectant are used in water-borne paints, inks, colorants and coatings to help retain moisture and prevent premature drying or flaking, ensuring a smooth, even improve tip drying.	■	■	■	■	■
pH Neutralizer									
Rankbuff – PH/80	100 %	Organo-amine propriety bland	–	It is traditional highly effective, pH neutralizer (stabilizer) for water-borne paints and coatings.	■	■	■	■	■
Pure Polyester Polymer-based surface additives									
Rank Add – SL/W55	65 %	Modified polyester copolymer	Water	It is silicone-fluro free leveling agent and multipurpose interfacial surface modifier for use in printing inks, and paint systems. Efficient surface tension reducing additive for improving substrate wetting and pigment wetting.	■	■	■	■	

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Mineral Oil Defoamers									
Rank DF - 3038	100 %	Mixture of hydrocarbon and silica with surfactant, contain silicone	—	It is a APEO-free, nonionic oil-base defoamer for universal water-borne paints and emulsion paints. .	■	■	■		■
Rank DF - 3050	50 %	Mixture of mineral oil and hydrophobic components, contain silicone	Water	It is APEO-free, emulsion foam, highly effective silicone containing and VOC-free oil based defoamer for aqueous emulsion paints, inks and pigment systems.	■	■	■		■
Rank DF - 3061	100 %	Ultra-fine of wax in paraffin-based mineral oil with hydrocarbon components, contain silicone	—	It is APEO and VOC-free, highly effective defoamer especially formulated to gives outstanding foam control when used in the high-quality water-borne emulsion paints. It is suitable over wide range of PVC 30 to 70%	■	■	■	■	■
Rank DF - 3067	100 %	Mixture of paraffin-based mineral oil, hydrocarbon components, contain silicone.	—	It is efficient defoamer by having a long-lasting defoaming effect in different water-borne emulsion paints. It is suitable over wide range of PVC 20 to 80%	■	■	■	■	

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Mineral Oil Defoamers									
Rank DF - 3069	100 %	Blend of hydrocarbon silica with surfactant	–	It is a nonionic, defoamer/antifoam agent use in universal water-borne application, it is long-lasting effect indifferent types of synthetic latex and emulsion systems.	■	■			■
Rank DF - 3070	100 %	Mixture of hydrocarbon and hydrophobic silica with nonionic surfactant	–	It is a used for economical multi-purpose water-borne synthetic latex-based paint, printing inks and wood coatings systems.	■	■	■	■	■
Rank DF - 3080	100 %	Blend of mineral oil hydrophobic silica and nonionic surfactant	–	It is silicone-free easily dispersible defoamer for water-borne emulsion paints, primers, wood coating, inks and pigments dispersion systems.	■	■	■		
Rank Foamset - NXZ	100 %	Mixture of mineral oil, metallic soaps with nonionic surfactant	–	It is a multi-purpose defoamer use for emulsion paints systems.	■	■	■	■	■
Rank DF - NDW	100 %	Blend of aliphatic hydrocarbon and nonionic surfactant	Mineral oil	It is effective in all systems based on synthetic latex, especially those based on styrene-butadiene, polyvinyl acetate, acrylic and water-soluble alkyd.	■	■	■	■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Silicone Based Defoamer									
Rank AF - 2210	12 %	Silicone glycol emulsion	Water	It is a highly effective nonionic foam control agent for industrial multipurpose water-borne systems, including extreme pH conations, i.e., printing inks, texture coating, interior and exterior emulsion paints and decorative coatings.	■	■	■		■
Rank AF - 2211	17 %	Emulsion of hydrophobic solids, with surfactant and foam-destroying polysiloxane	Water	It is a VOC-free silicone base defoamer for water-borne coatings, especially used in emulsion systems with a range of PVC 35 to 75% and it is cost effective alternative mineral oil-based defoamer.	■				
Rank AF - 2220	20 %	Foam-destroying polysiloxane emulsified in water	Water	It is a highly effective and versatile based anti-foaming agent use for water-borne paints systems. It can prevent foam and bubble formation during the process.	■	■	■	■	
Rank AF - 2230	30 %	Foam-destroying polysiloxane emulsified in water	Water	It is a highly effective and versatile based anti-foaming agent use for water-borne paints systems. It can prevent foam and bubble formation during the process.	■	■	■	■	
Rank AF - 2410	100 %	Mixture of polysiloxane and hydrophobic solid in polyglycols	—	It a silicone containing defoamer for non-pigmented and low-pigmented water-borne systems, i.e., semi to high gloss emulsion paint, lacquers, industrial paints, inks, and pigment concentrates.	■	■	■	■	

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Silicone Based Defoamer									
Rank AF - 2421	100 %	Mixture of polysiloxane and hydrophobic solid in polyglycols	–	It is silicone containing defoamer for water-borne pigmented high-gloss, stain-gloss, and also use in airless emulsion systems	■	■			
Rank AF - 2422	100 %	Mixture of polysiloxane and hydrophobic solid in polyglycols	–	It is antifoam/defoamer, effectively to control micro foam, in water-borne systems. It is range of PVC 18 to 25%.	■	■			
Rank AF - 2430	100 %	Compound of polysiloxane, polyether and silica	–	It is VOC-free, defoamer for water-borne high-gloss emulsion systems. It is range of PVC 0 to 25%.	■	■			
Rank AF - 2430	95 %	Mixture of polysiloxane and hydrophobic solid in polyglycols	Polyglycol	It is a VOC-free defoamer for emulsion paints. It is used in range of PVC 20 to 45%.	■	■			
Rank AF - 2999	100 %	Containing of polydimethylsiloxane with silica	–	It is concentrated high efficiency anti-foam agent, eliminate micro-foam, low possibility to cause crater, special designed for airless, and high viscosity systems.	■	■	■	■	■

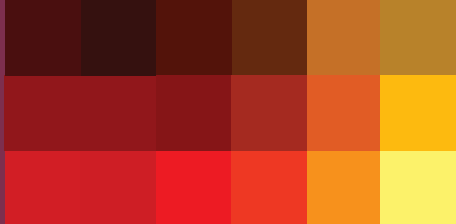
Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Dispersing Agents									
Ammonium Salts									
Rank Add - 630	30 %	Solution of ammonium salt of polyacrylic acid	Water	It is low-foaming dispersing agent for inorganic fillers and pigments.	■	■			
Rank Add - 631	35 %	Solution of ammonium salt of hydrophobic copolymer	Water	It is a hydrophobic dispersant for high performance water-borne interior and exterior coatings, including high-gloss acrylic enamels).	■		■		
Rank Add - 640	40 %	Solution of ammonium salt polyfunctional polymer.	DPGM/Water	It is a wetting and dispersing agent for pigment stabilization in water-borne emulsion paints.	■				
Rank Add - 650	50 %	Solution of ammonium salt of an acrylate copolymer	Water	It is a dispersing agent for pigment stabilization in water-borne paints, also improve gloss and leveling and reduce the viscosity.	■		■	■	■
Hydrophobic Polymers									
Rank Add - 725	26 %	Hydrophobically modified copolymer	Water	It is novel hydrophobically co-polymer dispersant developed to helps dispersant properties in inorganic and organic pigments.	■	■	■	■	
Rank Add - 750	25 %	Sodium salt of a maleic anhydride copolymer	Water	It is anionic hydrophobic, dispersant for use to organic, inorganic pigments; also, premium emulsions. Its salient feature is superior sheen development and high dispersing efficiency got TiO2	■	■	■	■	
■ Recommended □ Optional									

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Wetting & Dispersing Agents									
Rank Add - N/10	100 %	Alkyl phenol polyglycol ether	—	It is a standard nonionic pigment wetting agent for all types of water-borne paints and coatings systems.	■	■	■	■	■
Rank Add - 4030	70 %	Alkyl phenol polyglycol ether	—	It is improved the color acceptance of emulsion paint when difficult to use pre-dispersed colorant is used. Preventing pigment flocculation of coatings and improves color identification.	■	■	■	■	
Rank Add - 5190	50 %	Solution of polymer neutralize with amine	Water	It is solvent-free wetting and dispersing agent for organic and inorganic pigment, carbon black and TIO2, and it is reducing the viscosity of high pigment loading systems.	■	■	■	■	■
Rank Add - 5193	40 %	Solution of surface-active agent and polymer with pigment affinity group	Water	It is a nonionic wetting and dispersing agent for organic and inorganic pigment, carbon black, water-borne printing inks, particularly use for binder-containing pigment concentrates.	■	■	■	■	■
Rank Add - 5503	100 %	Nonionic surface-active agent	—	It is APEO-free, nonionic pigment wetting agent for all types of water-borne paints and coatings systems.	■	■	■	■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Wetting & Dispersing Agents									
Rank Add - 5509	90 %	Nonionic surface-active agent	–	It is APEO-free, nonionic pigment wetting agent for all types of water-borne paints and coatings systems.	■	■	■	■	■
Rank Add - 4450	100 %	Compound with pigment affinity group	–	It is a multi-functional wetting and dispersing agent for solvent-borne, solvent-free paints, also, water-borne coatings, and colorants.	□	■	■	■	■
Rank Add – RO/1000	100 %	Polyoxyethylene of vegetable oil	–	It is a APEO-free multi-purpose wetting, dispersing and emulsifying agent for water-borne wall-putty, universal colorants/stainers and distemper systems.	■		■		■
Rank Add - P	100 %	Mixture of anionic & nonionic surface-active agent	–	It is a wetting, dispersing and emulsifying agent for water-borne putty, universal stainers and distemper systems.	■		■		■
Rank Add - ALK	100 %	Alkyd aryl sulphonated	–	It is emulsifier and wetting agent for oil-bound distemper, acrylic distemper, universal stainers, water-borne stainers, acrylic and PVA emulsion paints.	■	■	■	■	

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Technical Preservatives									
Rank Add - BO	100 %	Tryzine derivative	–	It is a low toxicity biocide for the complete micro–biological protection of water base systems against bacteria and fungi spoilage in the wet state.	■	■	■	■	■
Rank Add - SAF	–	FA+CMIT/MIT	Water	It is a cost effective in–can preservative, use for water borne coatings.	■	■	■	■	■
Rank Add - SPC	–	CMIT+MIT	Water	It is a high performance, broad spectrum in–can preservative, for water-borne coatings.	■	■	■	■	■
Rank Add - CMD	–	CMIT+MIT+1,6-Di-hydroxy-2,5-Dioxahexane	Water	It is wet state preservative for many industrial applications for the complete in-can and head space microbiological protection to water-borne systems.	■	■	■	■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne		
					Wood	Architectural	Ind. Coating
Wax emulsion & dispersion in water							
Rank Add – PWE/A30	30 %	Modified paraffin wax emulsion	Water	It is anionic wax emulsion to improve surface characteristics, increase surface slip, scratch and abrasion resistance, also proves soft feel effect in aqueous systems.	■	■	■
Rank Add – PWE/N35	35 %	Modified paraffin wax emulsion	Water	It is nonionic wax emulsion to improve surface characteristics, increase surface slip, scratch and abrasion resistance, also proves soft feel effect in aqueous systems..	■	■	■
Rank Add – OPWE/35	35 %	Modified oxidized polyethylene wax	Water	It is anionic and nonionic wax emulsion for improved surface properties in water-borne decorative ad industrial paints, coating and inks.	■	■	■
Rank Add – HDPE/40	45 %	Modified high density oxidized polyethylene wax	Water	It is nonionic wax emulsion for improved surface properties in water-borne coating, and inks.	■	■	■



Additives for Solvent-Borne

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free

Additives for water-add into solvent-borne alkyd systems

Rank Add - 1960	100 %	Ester of octadecenoic acid	–	It is emulsifier for water addition up to 30 % in to long oil alkyd-based systems and primer to reduce production cost. (Water is incorporated to the system).	■	■	□	■	□		
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Silicone-based defoamers

Rank AF - 2080	3 %	Defoaming, containing silicone	Solvesso / Iso Butanol	It is strong defoamer/air-release agent for solvent-base and solvent-free coating, also epoxy clear coating systems.	□			□	■		■
Rank AF - 2530	7 %	Defoaming, containing silicone	Hydro carbon mixture	It is defoamer used for solvent-borne systems in pigmented floor, industrial, protective, varnishes, wood, clear and furniture coating and printing and as well as in UV and epoxy resin systems.	■	■	■	□	■	■	■
Rank AF - 2796	100 %	Polyether modified polysiloxane with hydrophobic silica	–	It is high solid, solvent-free defoamer for solvent-borne and solvent-free systems, especially for 100% 2-components systems, effective against macro and microfoam.	■	■	■	■	■		■
Rank AF - 2999	100 %	Polydimethylsiloxane with silica	–	It is solvent-free, concentrate defoamer for industrial coatings, such as system based on polar solvents or high polarity solvent-free coatings system, it is also use in solvent-free PU- or EP base flooring systems.	■	■	■		□	■	■

■ Recommended

□ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free
Wetting & Dispersing Agents											
Rank Add - 4001	30 %	Modified polyurethane polymer	MPA / BA	It is a wetting and dispersing agent for solvent-borne automotive and industrial coatings and pigment concentrates, especially in two-pack PU and baking systems with reduction of mill-base viscosity.	□	■	■		■	■	■
Rank Add - 4040	40 %	Modified polyurethane polymer	NBA / MPA	It is a wetting and dispersing agent for solvent-borne automotive and industrial coatings and all types of pigments, and it also reduction of mill-base viscosity.		■	■				
Rank Add - 4041	50 %	Xylene / BA / MPA	NBA / MPA	It is a pigment concentrate dispersant for industrial paints, coil, wood coatings, polyurethane polymer and printing inks.	□	■	■	■	■	■	■
Rank Add - 4050	40 %	Solution of polyester acid ester salt	MAP	It is dispersing agent for inorganic pigment fillers, especially strong dispersing ability for matting powders, it is reducing viscosity of the grinding system.	■	■		■	■		■
Rank Add - 4088	50 %	Solution of modified unsaturated polyamide and acid ester salts	Xylene / Iso-butanol	It is a anionic/nonionic wetting and dispersing agent, for solvent-borne coating systems, it can give excellent dispersion properties to inorganic, organic pigment or, bentonite paste.	■	■	■				
■ Recommended □ Optional											



An ISO 9001:2015 Certified
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Liability

All recommendations for the use of our products, whether given by us in writing, oral, or to be implied from the results of test carried out by us, are on the current state of our knowledge. Under no circumstances shall Seller be liable for incidental, consequential or indirect damage for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with product(s). Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use.

This product(s) has not been tested for, and is therefore not recommended for, use for which prolonged contact, with mucous membranes, abraded skin, or blood is intended, or for uses for which implantations within the human body is intended.

Thank You for Your Attention