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.

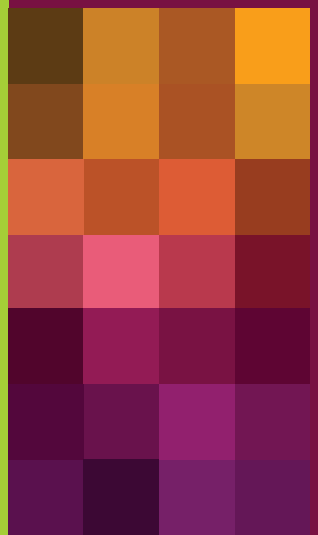
Features
Low VOCs: VOCs are volatile organic compounds that can be dangerous to humans and the environment. Many paint additives and paints, especially oil-based paints, contain VOCs. Look for additives with low VOCs for your own safety and that of the environment.

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

Adhesion Promoter

Additives For Water-add into Solvent-borne alkyd System

Defoamer

Dispersing Agent

Multipurpose Wetting Agent

Silicone Based Defoamer/Air Release Agent

Silicone Free Defoamer

Silicone Surface (Flow control/Slip & Leveling Agent)

Substrate Wetting Agent

Thixotropic Agent

Technical Preservative

Thickeners

Wax Emulsion & Dispersion in water

Additives for Water-Borne

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Defoamers									
Mineral Oil Based									
Rank DF - 3050	50 %	Paraffin with hydrophobic particle	Water	It is a highly effective silicone containing and VOC-free oil based defoamer for aqueous emulsion paints, inks and pigment systems.	■				■
Rank DF - 3070	100 %	Dispersion of wax in mineral oil	White oil	It is a used for economical multi-purpose water-borne systems.	■	■	■		
Rank DF - 3061	100 %	Hydrocarbon oil with hydrophobic polysiloxane	Paraffin	It is an APEO and VOC free, economical defoamer, for universal water-borne systems and pigment dispersion.	■	■	■	■	■
Rank Foamset - NXZ	100 %	Mineral oil with fatty acid ester	Mineral oil	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.	■	■	■	■	■
Silicone Free Polymeric Defoamer									
Rank AF - 012	100 %	Hydrophobic with polymer	-	It is specially design VOC-free defoamer for water-borne, architectural coatings systems.	■				

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Silicone Based									
Rank AF - 2212	12 %	Modified PDMS	Water	It is a highly effective and versatile based anti-foaming agent use for water-borne paints systems.	■	■	■	■	
Rank AF - 2217	17 %	Modified PDMS	Water	It is a highly effective and versatile based anti-foaming agent use for water-borne paints systems.	■	■	■	■	
Rank AF - 2220	20 %	Modified PDMS	Water	It is a highly effective and versatile based anti-foaming agent use for water-borne paints systems.	■	■	■	■	
Rank AF - 2300	60 %	Organo modified polysiloxane	Glycol ether DPM	It is a silicone containing water based defoamer and anti-foaming agent for aqueous pigment concentrates for use in coating.	■	■	■	■	■
Rank AF - 2360	100 %	Polydimethylsiloxane in polyglycol	–	It is a VOC-free silicone containing defoamer for aqueous coating and also very effective against micro-foam.	■	■	■	■	■
Rank AF - 2410	100 %	Polysiloxanes/hydro-phobic in glycols	–	It is a VOC-free defoamer for aqueous emulsion lacquers. Industrial paints and wood-coatings.	■	■	■	■	
Rank AF - 2999	100 %	Modified silicone with SiO2	–	It is high efficiency, low possibility to cause crater, special designed for 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 - 621	21 %	Ammonium salt of polycarboxylate	Water	It is an anionic, high solid and highly effective, low viscosity dispersing agent for inorganic pigments and extenders emulsion formulations.	■		■		
Rank Add - 645	45 %	Ammonium salt of polycarboxylate	Water	It is an anionic, high solid and highly effective, low viscosity dispersing agent for inorganic pigments and extenders emulsion formulations.	■		■		
Sodium Salts									
Rank Add - 845	45 %	Sodium salt of polycarboxylate	Water	It is an anionic, high solid and highly effective, low viscosity dispersing agent for inorganic pigments and fillers for high PVC, medium PVC, and low PVC emulsion formulations.	■	□	■		
Hydrophobic Polymers									
Rank Add - 750	25 %	Sodium salt of a maleic anhydride copolymer	Water	It is anionic dispersant for use to organic, inorganic pigments; also, premium emulsions. Its salient feature are superior sheen development and high dispersing efficiency got TiO2.	■	■	■	■	
Rank Add - 5004	40 %	Modified of styrene maleic acid copolymer	Water	It is a VOC and solvent-free anionic, wetting/dispersing agent for aqueous coatings. It is deflocculating pigments by means of steric stabilization. Effective small particle sizes of the deflocculated pigments, high gloss can be achieved and the color strength is improved.	■	■		■	■

■ Recommended □ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Multipurpose Wetting Agents									
Rank Add GS/50E	50 %	Tetramethyldecynediol, gemeni surfactant	Ethylene glycol	It is a versatile surfactant, that gives combined dynamic wetting and molecular defoaming properties for use in water-borne coatings and inks.	■	■	■	■	■
Rank Add GS/50H	75 %	Tetramethyldecynediol, gemeni surfactant	Ethylene glycol	It is a versatile surfactant, that gives combined dynamic wetting and molecular defoaming properties for use in water-borne coatings and inks.	■	■	■	■	■
Rank Add GS/50H	50 %	Tetramethyldecynediol, gemeni surfactant	2-Propanol	It is a versatile surfactant, that gives combined dynamic wetting and molecular defoaming properties for use in water-borne coatings and inks.	■	■	■	■	■
Rank Add GS/420	100 %	Non-ionic organic surfactant	–	It is low foaming substrate wetting agent, that does not contain silicone. It comes highly recommended for dynamic applications involving water-borne coatings.	■	■	■	■	■
Rank Add GS/440	100 %	Mixture of surfactant	–	It is very suitable for water-borne systems, excellent substrate wetting and excellent dynamic surface activity.	■	■	■	■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Substrate Wetting Agents									
Rank Add - 901	70 %	APEO free nonionic surface-active agent	Water	It is an APEO-free low-foaming wetting agent use for multi-application water-borne and colorants. It is preventing pigment flocculation of coatings and improves color identification.	■	■	■		
Rank Add - 900	100 %	APEO free nonionic surface-active agent	–	It is an APEO-free low-foaming wetting agent use for multi-application water-borne and colorants. It is preventing pigment flocculation of coatings and improves color identification.	■	■	■		
Rank Add - N/10	100 %	Nonionic surface-active agent	–	It is standard emulsifier and wetting agent for emulsion paints	■	■	■	■	■
Rank Add - 4030	70 %	Nonionic alkylphenol surface active agent	Water	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 - ALK	100 %	Alkyl aryl sulphonated	–	It is an anionic emulsifier and wetting agent use for oil bound, acrylic distemper, universal stainers, water stainers and acrylic and PVA emulsion paint systems.	■			■	
Rank Add - P	100 %	Ester of vegetable fatty oil	–	It is nonionic multi-purpose emulsifier use for distemper, oil paints, universal stainers and putty.	■	■		■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne				
					Emulsion Paint	Amine Neutral	Decorative	Industrial	Colorant
Rank Add - RO/1000	100 %	Blend of ethoxylated vegetable oils	–	It is a nonionic, dispersing agent use for pigment in the manufacturing of universal colorants and tinters.	■	■		■	■
Rank Add - 4003	100 %	Nonionic surface-active agent	–	It is a APEO free wetting and dispersing agent, emulsifier to improves the compatibility of water-borne pigment paste with solvent-borne coating.	■	■	■	■	■
Rank Add - 4004	90 %	Surface-active agent	–	It is a APEO free, for multi-purpose usage in dispersion paint and water-bore colorants.	■	■	■	■	■
Rank Add - 5004	100 %	Ethoxylate of fatty alcohols	–	It is a silicone-free/low foaming substrate wetting agent for aqueous coatings. Reduces the dynamic surface tension and suitable for machines with a fast-operating speed.	■				
Rank Add - 5006	100 %	Silicone surfactant	–	It is a silicone-based surfactant for aqueous coatings with a considerable reduction in the surface tension and an improvement in the substrate wetting.	■	■			
Rank Add - 607	100 %	Mixture of surfactant	–	It is suitable for water-bore and solvent-borne systems, excellent substrate wetting and anti-crater ability, non-slip effect.	■	■	■	■	■

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.	■	■	■	■	■

Product Name	Solid	Chemical Description	Solvent	Application	Water-borne		
					Wood	Architectectural	Ind. Coating
Wax emulsion and dispersion in water							
Rank Add - WEA1	30 %	Modified paraffin wax emulsion	Water	It is an anionic wax emulsion to improve surface characteristics, increase surface slip, scratch and abrasion resistance, also proves soft feel effect in aqueous systems.	■	■	■
Rank Add - WE/N11	35 %	Modified paraffin wax emulsion	Water	It is a nonionic wax emulsion to improve surface characteristics, increase surface slip, scratch and abrasion resistance, also proves soft feel effect in aqueous systems.	■	■	■

Additives for Solvent-Borne

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne					
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Solvent free
Anti-Settling Agents										
Rank Antiset - 117	38 %	Mixture of anionic compound	Water	To prevent settling of pigments, extenders and matting agent. in both oil, water-borne paints and primers.	■	■	□	■	□	
Rank Antiset - 119	25 %	Mixture of anionic compound	Water	Low-cost anti-settling agent to prevent of pigments, extenders and matting agent. in both oil, water-borne paints and primers.	■	■	□	■	□	
Rank Add - 135	35 %	Sulfonated vegetable oil	Water	APEO free anti-settling agent to prevent of pigments, extenders and matting agent. in both oil, water-borne paints and primers.	■	■	□	■	□	
Anti-Gassing Agents										
Rank Add - ASD	100 %	Monomeric compound	-	To remove gas created in the cans on storage of all types of solvent-borne coatings and inks also prevent gas buildup in zinc-rich coating	■	■	□	■	■	
Anti-Skinning Agent										
MEK Oxime	100 %	Methyl ethyl ketoxime		It is anti-skinning agent used in air-drying paints and inks to preventing skin formation in-can skinning during storage in closed container.	■	■	■	■	■	■

■ Recommended □ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free
Adhesion Promoter											
Rank Add - AP/60	60 %	Special polymer	DMAC	It is good compatibility with resin system, it could react and the inorganic substrate such as glass, metal, improve the adhesion and the water-resistance, salt spray resistance of the paint film.	■	■	■	■	■		
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).	■	■	□	■	■		
Silicone-based defoamers / Air-release agents											
Rank AF - 530	7 %	Modified-silicone compound	Paraffin	It is a antifoaming agent suitable for solvent-borne systems in coating and printing and as well as in UV and epoxy systems.	■	■	■	■	■	■	■
Rank AF - 1009	100 %	Polysiloxane foam destroying polymer	–	It is a silicone and polymer-containing defoamer / air release additive for solvent and solvent-free coatings systems.				■	■	■	■
Rank AF - 2994	100 %	Modified of silicone with SiO2	–	It is highly efficiency, low possibility to cause crater, special designed for high viscosity systems	■	■	■	■	■	■	
Rank AF - 2999	100 %	Modified of silicone with SiO2	–	It is high efficiency, low possibility to cause crater, special designed for high viscosity systems.	■	■	■	■	■	■	■

■ Recommended □ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free
Silicone free defoamers											
Rank AF - 053	20 %	Vinylether copolymer	Mixed aromatic	It is a highly effective polymeric defoamer, special designed for high viscosity system, the compatibility should be tested when used in clear systems. It is used in automotive, protective.	■	■	■	■	■	■	□
Silicone Surface Additives (Silicone flow control/Slip and levelling Agents)											
Rank Add - SL/10	15 %	Solution of polysiloxane-polyether copolymer	Xylene	It is used for solvent-free, solvent-borne coating systems, good compatibility and slip, greatly decrease the surface tension and helpful for the orientation of matting agent.	■	■	■		■	■	
Rank Add - SL/18	25 %	Solution of polysiloxane-polyether copolymer	Xylene	It is used for solvent-free, solvent-borne coating systems, good compatibility and slip, greatly decrease the surface tension and helpful for the orientation of matting agent.	■	■	■		■		
Rank Add - SL/25	100 %	Polysiloxane-polyether copolymer	–	It is used for solvent-free, solvent-borne coating systems, good compatibility and slip, greatly decrease the surface tension and helpful for the orientation of matting agent.	■	■	■	■	■	■	
Thixotropic agents											
Rank Add - G	100 %	Fatty acid derivatives	–	It is a thixotropic agent to control the rheological properties of non-aqueous system, i.e., paints and surface coatings.	■	■	■	■	■		

■ Recommended □ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free
Substrate Wetting Agents											
Rank Add - 101	100 %	Fatty acid derivatives	–	It is wetting and dispersing agent for solvent borne systems for stabilizing inorganic pigments.	■	■	■	■	■		■
Rank Add - AED	100 %	Ester of vegetable oils	–	It is a multi-purpose, anti–settling, wetting and dispersing agent for combination of pigment system; also prevent flotation.	■	■	■	■	■		
Rank Add - 4001	30 %	High molecular weight block copolymer	Methoxy propylacetate / butylacetate	It is a wetting and dispersing additive for solvent-borne automotive and industrial coatings and pigment concentrates. Suitable for stabilizing carbon blacks with a fine particle size as well as organic pigments, especially in two-pack PU and baking systems.		■	■				
Rank Add - 4110	75 %	Polyester compound	2-Propanol	It is a dispersing agent for low to medium polar systems. Particular suitable for alkyd systems, polyester, inks, and plasticizer-based pigment systems.	■	■	□	■	□		
Rank Add - 4175	75 %	Polyester compound	Mineral spirit	It is a dispersing agent for low to medium polar systems. Particular suitable for alkyd systems, polyester, inks, and plasticizer-based pigment systems.	■	■	□	■	□		
Rank Add - 4180	100 %	Alkylammonium salt copolymer	–	It is a solvent-free wetting and dispersing agent for solvent-borne and solvent-free coatings.	□	■	■		■	■	

■ Recommended □ Optional

Product Name	Solid	Chemical Description	Solvent	Application	Solvent-borne						
					Non-Polar	Medium Polar	Polar	Decorative	Industrial	Colorant	Solvent free
Rank Add - 4200	100 %	Polyester compound	–	It is wetting/dispersing agent for solvent / solvent-free coatings, it is improved wetting and reduce the time for the grinding process an stabilize the pigment dispersion.	■	■	■	■	■		■
Rank Add - 4450	100 %	Compound with pigment affinity group	–	It is a wetting and dispersing agent for solvent base coating. Increase the gloss and the hiding power also use for stoving enamel and primers.	■	■	■	■	■	■	■
Rank Add - 5006	100 %	Silicone surfactant	–	It is a silicone-based surfactant for aqueous coatings with a considerable reduction in the surface tension and an improvement in the substrate wetting.	■	■	■	■	■	■	■
Rank Add - 5009	50 %	Compound of pigment affinity group	Mixed dibasic ester	It is suitable for medium polarity system, good compatibility with many kinds of resin, suitable for all kind of pigment string dispersing powder and excellent store stability.	■	■	■	■	■	■	
Rank Add - 607	100 %	Mixture of surfactant	–	It is suitable for water-bore and solvent-borne systems, excellent substrate wetting and anti-crater ability, non-slip effect.	■	■	■	■	■	■	■
Rank Add - 5041	45 %	Modified poly-urethane polymer	Xylene / MPA	It is a wetting and dispersing agent for refinish coating, dispersion of transparent iron oxides and other industrial coatings and pigment concentrate preparations.	□	■	□		■		■

■ Recommended □ Optional

Rank® Additives Pvt. Ltd.

An ISO 9001:2015 Certified Company

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Liability

All recommendations for the use of our products, whether given by us in writing, oral, or to be imlpied from the results of test carried out by us, are on the current state of our knowledge. Under no circumstancesshall 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 clams 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 therefor 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