

VISHNU SHARMA

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**Result Driven Polymer Technologist
(M.Tech Polymer Technology)**

16 Years industrial experience

In Research & Development

**(Heading R&D, QC, Manufacturing &
Techno-commercial)**



EXPERIENCED IN SYNTHESIS AND FORMULATION FOR BELOW INDUSTRY

❖ COATINGS

❖ CEMENT

❖ TEXTILE

❖ ADHESIVE

❖ LAMINATES

❖ SOLID SURFACES

❖ CONSTRUCTION

❖ AUTOMOTIVE

❖ RUBBER

WORK EXPOSURE

1. SANGHAVI IND PVT LTD

2. KEMIT CHEMICALS PVT LTD

3. CHIRIPAL INDUSTRIES LTD

4. STYLAM INDUSTRIES PVT LTD

5. KODEX GLOBAL CONSTRUCTION CHEMICALS

6. ULTRATECH CEMENT

7. ASIAN PAINTS PPG

8. CROMPTON GREAVES LTD

COMPETENCY

- ✓ New product development synthesis & formulations for company portfolio extension.
- ✓ R&D to Plant set up, Formula, SOP, Ex-Factory Costing, Machines and trials.
- ✓ New Supplier Sourcing, Cost reduction in existing products.
- ✓ Process standardization, debottlenecking & FMEA.
- ✓ Quality improvement, Consistency/ Reproducibility, process waste reduction.
- ✓ Synthesis & application mechanism by chemistry— resin, polymer, emulsion & compounding.
- ✓ Quality testing with global and Indian standards, obtain certifications and accreditations.
- ✓ Market launching –Field trials & application.
- ✓ Techno-commercial support, customer complaints solving.

EXPERIENCE

Paints/Coatings-Industrial/Automotive/Decorative, Bituminous coatings, Acrylic Waterproofing, Sealants, PU Adhesive-Coating & Water proofing, Polyurethane Dispersion (WB & SB), Acrylic Emulsions, Resins synthesis- Acrylic, Epoxy, Polyester, Alkyd, Melamine formaldehyde, Phenol formaldehyde, VAM,PTC, CED, Latex, Rubber, High Pressure laminates, Solid Surfaces-Acrylic & Polyester, Cement & Cement composites, Sealers & Putty, Wood Coating and wood adhesive. Construction chemicals- Tile adhesive SBR & Acrylic water proofing, Grouting, Integrated Water proofing.

STANDARDS & CERTIFICATIONS: ISO, EHOS, ASTM, ANSI, BIS, GREENGUARD, IS, AS, NEMA, UL, JIS, EN, HES, CNH.

QC TOOLS: RCA, DOE, ANOVA, FMEA, DOE, FISH BONE, WHY-WHY ANALYSIS,

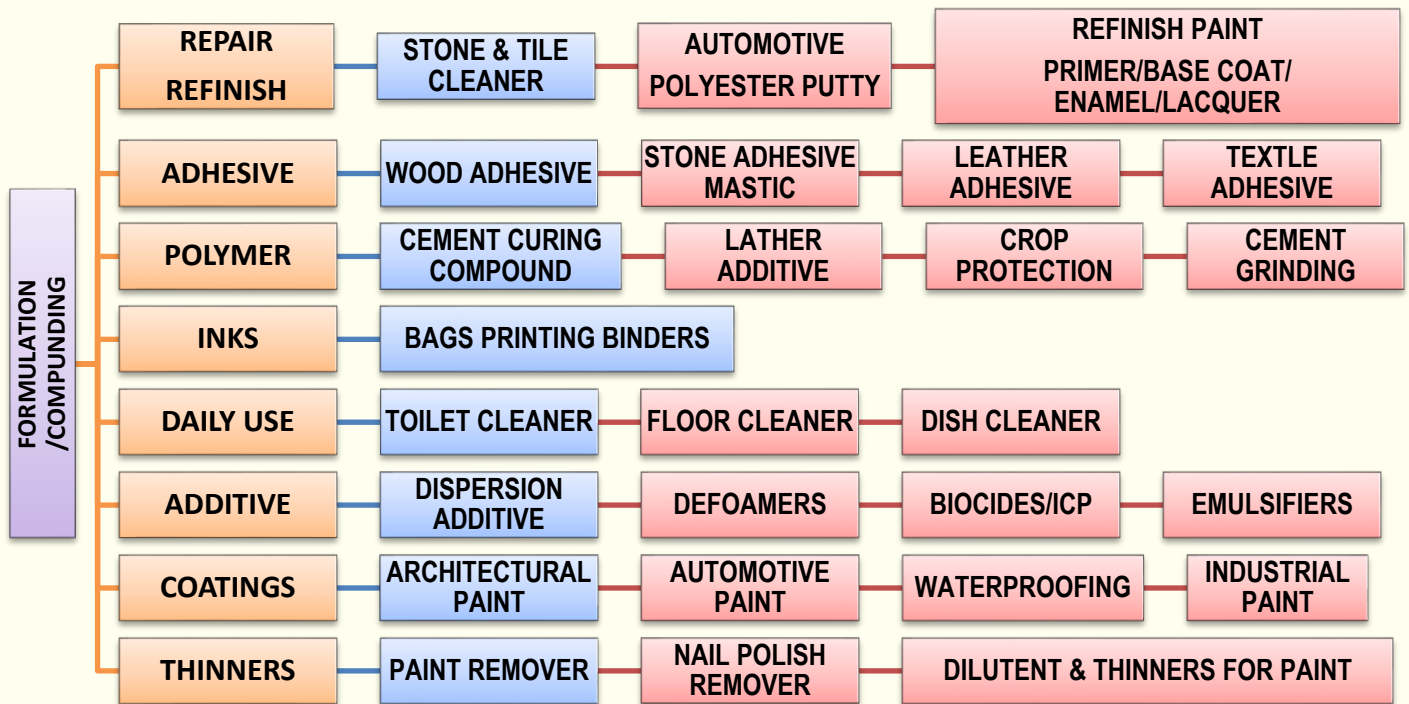
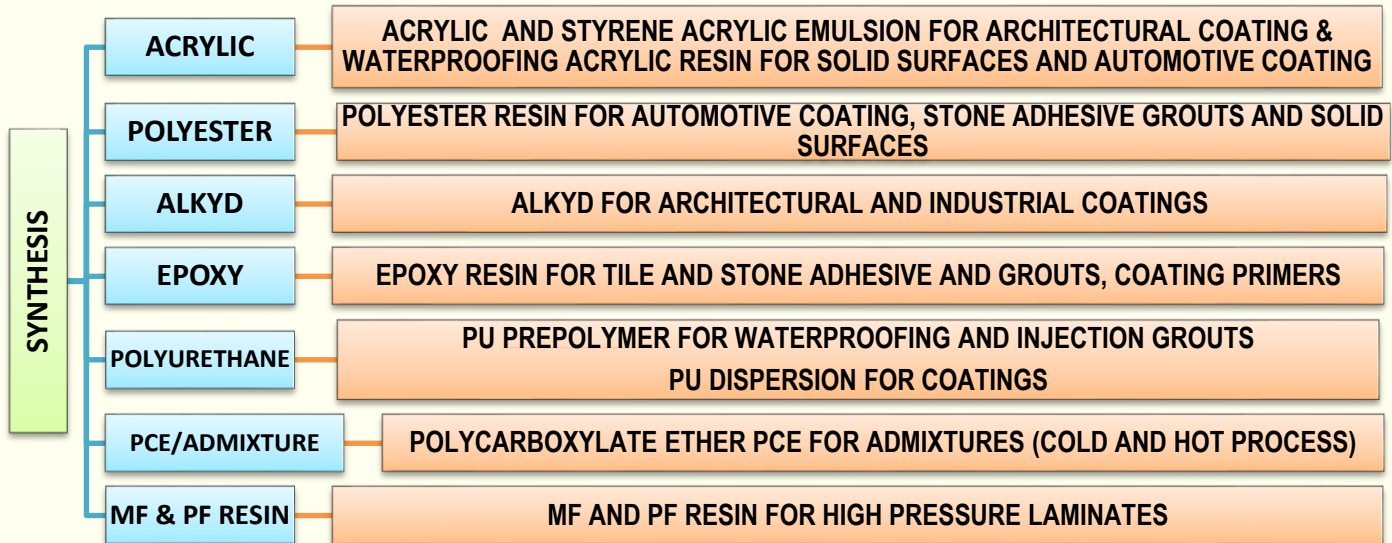
IT ACUTANCE: SAP, OPTIVA, ERP, MINITAB, MATLAB, AUTOCAD, MS OFFICE, CHEMCAD, OPERA, UBUNTU.

TECHNICAL WRITE UP: PRODUCT TECHNICAL DATA SHEET, MSDS, APPLICATION MANAUAL, SOP, QCP, CATALOGUE & BROUCHERE AND PACKING STICKER AND PRODUCT NAME

TEST INSTRUMENTS HANDLED: DSC, TGA, PSD, XRD, FTIR, GC, UTM, VISCOMETERS (BROOKFIELD, PRORHEO) GLOSS METERS, COP,MOISTURE ANALYSERS, PH, KARL FISHER, HARDNESS-SHOREA&D/BARCOL,SCRATCHTESTER, QUV,COLORMETER- MINOLTA, XRITE,COLOR EYE,CUPPING TESTER, HDT, FLEXURAL,WATER ABSORPTION,WAVE SCAN,FLEXURAL BENDING,TABER ABRASION,SURFACE PROFILE. COMPRESSIVE STRENGTH, FLEXURAL etc.

STRENGTHS: TEAM WORK & LEADER, IMPACT FULL PRESENTER, INNOVATIVE & LEARNER.

PRODUCT SEGMENTS : FORMULATED AND SYNTHESIZED



MAJOR ACHEIVEMENTS

- ✓ Emulsion binders (Acrylic, Styrene, VAM, VeoVa) - High gloss emulsion binders and opaque binders.
- ✓ PCE Cold and Hot process plant set up- Polycarboxylate ether based admixture and PCE synthesis.
- ✓ PU Prepolymer for Adhesive and coating- Complete plant set up R&D to Commercialization.
- ✓ High solid coating- For Industrial paint reduced 20 % cost on overall coating process.
- ✓ Moisture curable polyurethane coating- Localized technology developed by chemistry.
- ✓ Polyurethane dispersion synthesis- PUD developed for Water proofing & Textile coating.
- ✓ Acrylic syrup for solid surfaces- Developed in India, reduced cost by 70% wrt. Imported.
- ✓ Zinc rich primers for enhanced protection automotive vehicles.

CORE VALUES & TOOLS: EXPERT IN EXECUTION

Well versed with market launching tools, new customer build up, interpersonal behavior management, Core member of Product launching strategy team. Apart from this this well versed in technical development part analytical and interpretational and Organic Synthesis(Emulsions/Resin/Polymer) and their characterization & Testing, Instrumental Handling capabilities of eg.XRD, DSC, Brook field, SEM, PSD, FTIR, Spectroscopy (UV, Visible, FTIR), UTM, CTM and many.

PRODUCT TROUBLE SHOOT & IMPROVEMENT	INNOVATION & DEVELOPMENT	TQM	TEAM BUILDING
Root Cause Analysis(RCA)	Design of Experiment(DOE)	Product Testing Indian & Global Standards	Training & Involvement for Subordinates
Analysis of Variance(ANOVA)	Experimental Simulation	Advanced Product Quality Planning (APQP)	Impactful Speaker & Presenter
Fish-Bone Analysis	Reverse Engineering	Failure Mode Effects Analysis (FMEA)	Systematics
Why-Why analysis	Cost Optimization & Rationalization	Measurement Systems Analysis (MSA)	Team Player
5M-Methodology	Eco-Friendly Product	Statistical Process Control (SPC)	Sharing and Brainstorming

CHRONOLOGY

PRODUCT SEGMENT	CHRONOLOGY	PRODUCTS
Emulsions, PU dispersion, PU Adhesive, Cement Additives, Admixture, Tile Adhesive	Currently looking	For Paint, Adhesive, Textile, Construction
Acrylic & Polyester, solid surface	2(2018-20)	Acrylic resin(PMMA) Polyester resin, Solid surfaces
High pressure laminates	2(2018-20)	HPL Sheets , Boards, High Gloss , Anti scratch etc.
Emulsion Synthesis	4 (2014-18)	Acrylic Emulsion Synthesis, PUD Synthesis
Adhesive	3 (2015-18)	Wood & Leather: PF, NC,PU, Acrylic, PU
Waterproofing	3 (2015-18)	Acrylic, PU, Styrene Acrylic, Bituminous
Sealants	3 (2015-18)	Polyurethane
Latex & Rubber	1 (2005-06)	NR, SBR, PBR, Nitrile, PU, Latex
Wallcare Putty, Levelplast	2 (2014-15)	SF and MF, Color Putty
Automotive Coating	5 (2009-14)	OEM- Primer, Sealer, Top Coat, Base Coat, Clear Coat
Pretreatment Metal(PTC)	4 (2009-13)	Iron / Zinc / Chrome Phosphating
Resin Synthesis	2 (2009-11)	Alkyd, Polyester, Acrylic, PU Prepolymer
Cathodic Electrodeposition(CED)	3 (2009-12)	Based on PPG USA Technology
Water Based Paint	1 (2008-09)	Acrylic, Alkyd, Polyester, MF,UF,NC,PUD
Wood Coating	2 (2008-09)	Sealer, Stain, Primer , Clear Coat
Nano-Technology	2 (2007-09)	Nano Particle Synthesis for Composites and coatings

PROFESSIONAL HISTORY

- ✓ **SANGHAVI INDUSTRIES PVT LTD** (SEPT 2021-Current) Heading R&D and Quality Control: Presently working as Sr. Manager R&D and Quality at Ahmedabad, looking development of waterproofing and construction chemicals and adhesive based on epoxy, polyester, acrylic, acrylic and PU chemistry. Synthesis of Styrene acrylic & VAM based binders for different application viz. Decorative paint, waterproofing, Adhesive, textile & Khadi, This role involves improvement in products, performance enhancement by optimization of recipes with help of using analytical expertise, DSC, GC-MS, PSD and introduction/substitution of raw materials cost reduction, rationalization, trials and commercialization.
- ✓ **KEMIT CHEMICALS PVT LTD** (Oct 2020- Aug 2021): Heading R&D and Production for Acrylic & Styrene Acrylic binders for Construction chemicals and coating industries, worked on admixture and PCE synthesis and improvements.
- ✓ **CHIRIPAL INDUSTRIES LTD:**(March 2020-Oct 2020) Heading R&D and Quality Control: Presently working as Sr.Manager Quality & R&D at Ahmedabad, looking development of acrylic , Styrene acrylic & VAM based binders for different application viz. Decorative paint, waterproofing, Adhesive, textile & Khadi, Successfully developed polyurethane dispersion and under commercial trials. Looking Quality control for entire chemical division. This role involves improvement in products, performance enhancement by optimization of recipes with help of using analytical expertise, DSC, GC-MS, PSD and introduction/substitution of raw materials cost reduction, rationalization, trials and commercialization.
- ✓ **STYLAM INDUSTRIES LTD:** (August 2018-Feb 2020) Heading R&D and Quality Control : worked as Manager R&D at Stylam Industries at Chandigarh, looking development of acrylic & polyester solid surfaces and high pressure laminates, this role involves improvement in resins , performance enhancement by optimization of recipes, introduction/substitution of raw materials cost reduction, rationalization, trials and commercialization.
- ✓ **KODEX GLOBAL CONSTRUCTION CHEMICALS P LTD:** (Oct-2016-August 2018) Headed R&D (Worked as Manager R&D) and manufacturing for Industrial coatings, sealants, adhesives at Kodex Global Construction Chemicals P.Ltd at Chandigarh location- This roles involves complete set up of R&D Lab and plant setup - Development strategy, alignment with Australian, European & American standards, Machine design, selection, drawings approval, manufacturing and development plan and launching strategy.
- ✓ **ULTRATECH CEMENT LTD:** (Apr-2014-Aug2016) worked as Asst. Manager R&D worked on value added products- Composites of cement and chemicals RDP's and other Wallcare putty, Levelplast etc. Innovation/Development & Application Techniques at Ultra-Tech Cement Ltd. (Birla White) R&D Dept. (Polymer introduction in ceramic materials), Strong Hands on PUTTY, Levelplast, Textura, emulsion synthesis for white cement.
- ✓ **ASIAN PAINTS LTD:** (Apr 2009-March 2014) Worked as Senior Officer Technical with OEM Paint manufacturers at Asian paints looking new product development and technical support for interdepartmental functions QC and Production and trials at Customer site, looking North India Techno-Commercial support working in R&D looking Business Development for HSCIL, TATA, Bajaj, HMCL, HMSI, Escorts, Harley Davidson, John Deere etc. by NPD and customer support.

ACADEMIC HISTORY

M.Tech. (POLYMER TECHNOLOGY) University: U.D.C.T., North Maharashtra University, Jalgaon, (MS).India	2008-2009 Secured 69%
M.Sc. (POLYMERSCIENCE) University: Dept of polymer science, M.L.S University, Udaipur, Raj. India	2006-2007 Secured 65%
B.Sc. (CHEMISTRY) University: Govt. University Kota,(Raj) India	2003-2005 Secured 64%

SEMINARS & PRESENTATIONS

- ✓ Actively participated in “Role of Nanotechnology in Polymer & Chemical Industries” Held On March, 15, 2008 at U.D.C.T NMU Jalgaon India.
- ✓ Actively participated in “Recent Advances in Polymer Technology” at U.D.C.T NMU Jalgaon (M.S) On Feb, 30, 2009.
- ✓ Actively participated in “Techno coat” Paint India international conference Held On Sept, 18, 2008 at Exhibition center Mumbai, India.
- ✓ Research Presentation on “Highly Reflective Coating” at UDCT Jalgaon M.S.May,2009 A review presentation on “Radiation Curing” at UDCT Jalgaon M.S. India. Jan,2009
- ✓ A review presentation on “Molecular weight determination of polymers” at M.L.S. University Udaipur, Raj. India. Sept,2005

OTHER DETAIL

Current CTC: 21 Lacs per annum (Fixed)
Reporting to: Managing Director
Team Size: 9 Candidates (Directly)
Notice Period: 1 Month

Place: Ahmedabad
Date: August, 16, 2024
Mob: +91-9023935414

Thanks & Regards
Vishnu Sharma