



Chemie Products Private Limited

AN ISO 9001:2008 CERTIFIED COMPANY

ADDING SPICE TO POLYURETHANE

- High Strength Liquid Dosing Colors
- Polyurethane Colorants
- Release Agent
- PU mold Cleaners
- PU Lacquers, IMC and Coatings
- Silicone Surfactant from Concentrol
- PU Binder for Re-Bonded foam & Rubber Tiles
- Spray Guns & Spray Equipment



Concentrol[®]
Chemical Solutions



Arcad Chemicals GmbH

Our Vision

We are closely associated with Polyurethane Industry in India since 1996. The company was established to provide Coloring solutions for Polyurethane and we went on to add various ancillary chemicals for Polyurethane along with it. We would like to explore our forte in coloring other Plastics while further exploring Specialty Chemicals for Polyurethane.

Quality Policy

- To serve customers much beyond their expectations
- Best possible relations with our principals, suppliers & customers
- We attach very high values to reliability, integrity, on time delivery & consistency in our service & dealings
- Committed as suppliers of international quality
- Provide value for money by continued development and thereby acquiring larger market share including exports

Core Competency

- Coloring solutions for all kinds of Polyurethane
- 35 years of expertise in PU Industry in India
- Pre-polymers for Rebonded Foam and Rubber Tiles
- Coating solutions for various kinds of Polyurethane
- 20 years experience of Mold Release Agents in India

Facility

- Optimum Modern Technology and Blending facilities serving 5000 sq. meters Production unit in Khushkhera, Rajasthan
- Second Unit set as per regulatory Explosive and Pollution Norms for flammable material
- 4 Regional Agents for Market Distribution all over India
- Competent and Qualified Employees
- State of the Art Laboratory for R&D and Quality Control with Modern Equipment
- Export oriented unit with required experience and facilities

WE ARE AN ISO 9001:2008 CERTIFIED COMPANY BY TUV:SUD



Our Partners



Concentrol®
Chemical Solutions



Arcad Chemicals GmbH

WE ARE AUTHORIZED DISTRIBUTING AGENT FOR PRODUCTOS CONCENTROL S.A., GIRONA, SPAIN AND ARCAD CHEMICALS GMBH, GERMANY FOR SILICONE SURFACTANTS AND mold RELEASE AGENTS IN INDIA.

OUR PRODUCTS RANGE

Polyurethane Colorants



Polyurethane Mold Release Agents



Silicone Surfactants



Polyurethane Mold Cleaners



Polyurethane Sole Finishing Lacquers, IMC and Coatings



Polyurethane Binders for Rebonded Foam and Rubber Tiles



Spray Equipment



INDUSTRIES SERVED

SLAB-STOCK FOAM



AUTOMOTIVE



FOOTWEAR



RE-BONDED FOAM



CAST ELASTOMERS



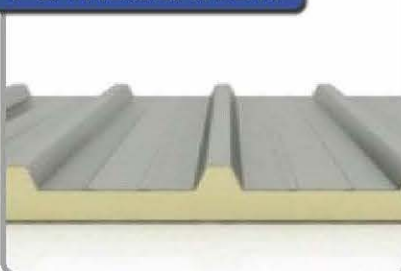
RUBBER TILES



FURNITURE



PU INSULATION



POLYURETHANE TOYS



PU COLORANTS

Chemie Products manufactures high quality Polyurethane Colorants for specialized PU applications by using Pigments and other polymeric raw materials of only reputed makes with most appropriate specification.

We take special care in understanding the application, end product, consumer taste in designing the customized coloring solution while maintaining the compatibility with due consideration of ease of use and longevity.

We work in coordination with all PU System suppliers thus providing you compatibility and expertise beyond your expectations. We are responsible for import substitutions of PU colors thus giving the option of customization.



Chemie Colorants are suitable for coloring of all kinds of Polyurethane applications:

- Flexible slab-stock foam, molded flexible foams
- Automotive PU components like PU filters, NVH components
- Integral skin Foams like Steering Wheel, Armrest and Supporting components
- Rigid foams and Puff Insulation foam
- PU Footwear like Safety Shoes, Soles, Slippers and Sandals
- CAST Elastomers
- PU Toys, and various utility Industrial and consumer goods
- Rubber tiles
- Specialized colors for Binders and adhesives



COLORANTS WITH SPECIAL PROPERTIES:-

- We have introduced liquid dosing colors for Slab-stock machines dosing tanks.
- We specialize in colors for dosing machines for footwear applications for Italian, German and Chinese models.
- Phthalate free colors as per the EU REACH norms.
- Specialty Non Yellowing White Color Paste with UV resistance properties.
- We also manufacture color with fire-retardant and acoustic properties.
- High Jet Black Color.
- Very low consumption colors in both liquid and paste form thus resulting in property retention and high cost saving.
- Dual tone shades to improve the aesthetic and feel of the product.
- Higher shelf life of colors
- Insoluble in water thus eliminating moisture
- Stable colorants to thermal degradation, chemical attack and radiation.
- Compatible for both Polyester and Polyether PU System.
- UV stabilized colors for long lasting effect.
- Non-fading (use of pigments of very high light fastness and heat resistance).
- Finely dispersed pigment paste (total avoidance of mechanical problems).
- No fogging effects Specially designed color paste for automotive industry.
- Customizable colors as per individual taste thus giving unique solutions.
- We take pride in our color consistency.

RELEASE AGENTS

Chemie Products is selling Release Agent in India since 1996. We are providing the technical assistance along with local blending thus increasing our exposure to the nitty-gritties of Release Agent formulation level. We have an ISO 9001:2008 certified Release Agent blending facility thus providing excellent quality. We are increasing our association with number of molding companies as we fulfill the most challenging requirements. We believe in developing robust formulations to provide ease of use to processing industry. We take special care of maintaining inventories for each customer at nearby locations to provide Just in time deliveries. We are very flexible in adapting our products to changing customer's requirements. We have a backing of very strong Release Agent principals thus enabling us to take on new challenge with International exposure.



We can offer following kind of Release Agent options:

- ▶ Conventional Solvent based Ready to Use Release Agent for desired finish, ease of use and economical.
- ▶ High Flash Point, Class 1 solvent Based Release Agent, for safety and better consumption.
- ▶ Water Based ready to use Release Agent for fire safety along with ease of use of conventional Release Agent.
- ▶ Reinforcing pastes, mold conditioners for tough areas or multiple demoldings
- ▶ Concentrated Release Agent for self-dilution in both Water and Solvent based.
- ▶ All auxiliary chemicals like Mold Cleaners, Primers, Thinners, In-Mold Coatings to support Release Agents are available.
- ▶ We also provide support for Spraying System to ease your operations.

We offer Release Agent for following applications:

- ▶ molded Flexible foam - for all types of system like cold cure, MDI based, T/M based, TDI based system. Suitable for molded cushions, car seats, bike seats, head rests, molded mattress.
- ▶ Integral Skin Foam - Glossy and Matt finish Release Agent for Steering Wheels, Arm Rest.
- ▶ Footwear - Single density, double density shoes, unit soles, slippers, Paintable, tin free formulations, in all kinds of finish and feel. We can cater your requirements of highest gloss to matt in both Polyether and Polyester system. Release Agent can be customized for each type of machine from Pouring to Direct Injection. Silicone free also available. We ensure low mold build up for longer cleaning cycles.
- ▶ NVH Insulation, TRIM and Rigid foams of all kind of density
- ▶ CAST Elastomers
- ▶ PU Filters
- ▶ Wood Imitations
- ▶ PU Toys and special parts.
- ▶ Rubber soles
- ▶ KPU, CPU, casted upper Release agents
- ▶ Water Based products to provide Anti-squeak properties for sliding surface.
- ▶ Water Based adhesives to provide foam to foam adhesion for fast repairing of damaged foams.

SILICONE SURFACTANTS

We stock and sell Silicone Surfactants from Concentrol, Spain. Concentrol is a chemical company found in 1968 in (Les Planes d'Hostoles) Girona near Barcelona, Spain. The Company is divided into three broad areas of activity: The food industry, chemical specialties and mold release agents.

Concentrol works hand-in-hand with its customers to find the best solution for their processes, a goal that is achieved thanks to a significant investment in R&D. The combination of research and dedication results in a high quality product that contributes high added value for our clients.

We are importing and selling various Silicone Surfactants as per customer's demands and approvals. Out of there huge range, some of the commonly used Silicone Surfactants for Indian Market are as follows:

HR MOLDED FLEXIBLE POLYURETHANE FOAM

Silicone stabilizer for production of high resilience foams, particularly cold cure molded polyurethane foams. They regulate excellent foam cells for application in systems based on polymeric polyols with MDI, MDI/TDI or 100% TDI HR Foams.

CONCENTROL GRADES	HR MDI	HRTDI/MDI	HRTDI	Stabilizing Efficiency	Additional information
STB PU-1231	+++	++	+	LOW	Standard silicone surfactant for MDI foam, low VOC and broad processing latitude for open foams
STB PU-1234	+++	++	+	LOW-medium	Standard silicone surfactant for MDI foam, with very low VOC contribution, and broad processing latitude for open foams
STB PU-1270	+++	+++	+	Medium	Cell regulation with medium stabilizing effect, very wide processing latitude for less stable MDI systems and TDI/MDI foams.
STB PU-1259	++	+	+++	High	Very broad processing latitude, lowest VOC TDI silicone surfactant, High stabilizing effect with good cellular regulation.
STB PU-1260	++	++	+++	High	Very broad processing latitude, lowest VOC TDI silicone surfactant, High stabilizing effect with good cellular regulation.

+++ Strongly recommended, ++ Recommended with adjustment, + Can be used

RIGID POLYURETHANE FOAM

High active Silicone surfactant for rigid polyurethane systems. They provide maximum stability (non-hydrolysable chemical structure), high nucleating effect on foam cells and excellent emulsifying properties.

GRADES	BLOWING AGENT	INFORMATION
STB PU-2274	HC	Standard silicone surfactant for application in Rigid polyurethane systems for Appliances foams
STB PU-2254 STB PU-2251C	Water, HCFC /HFC HCF-245 / HCFC-141b	Standard silicone surfactant for application in rigid water blown formulation for Discontinuous sandwich Panels. Also very useful in MDI based low recovery (Viscoelastic) molded foams.
STB PU-2241	HCFC-141b	Standard silicone surfactant, useful in Laminated board stock, pour-in-place systems, spray foam, Packaging foams, Elastomeric PU Foams(Shoe Sole) & FR-related foams. Standard silicone surfactant for application in Rigid polyurethane systems for rigid water blown formulation and also for Discontinuous Panels.

STANDARD FLEXIBLE SLABSTOCK POLURETHANE FOAM

High active silicone surfactants for standard flexible slab-stock foam. They improve the emulsification of raw materials, providing the sufficient nucleation and stabilizing the foam expansion.

GRADES	FOAM TYPE	INFORMATION
STB PU-3223	Polyether block foam	For low and ultra low densities of up to 9Kg/m ³
STB PU-3280	Polyether block foam	For medium to high density foams
STB PU-3228	Polyether block foam	High efficiency, low emanations and useful for CO ₂ blown foams, MDI/TDI viscoelastic applications.

We are eager to provide you one on one replacement in existing formulations as well as be your development partner in the new ones. We would be happy to associate with you for direct imports as well as stock and sell model.

PU BINDER (MDI BASED PRE-POLYMER)

We manufacture MDI based pre-polymer for re-cycling waste foam/ rubber tiles to form re-bonded products such as high-density orthopedic mattress, rubber tiles, sports floors, insulation, vibration- dampening and packaging elastomers.

- ◆ We make tailor-made of PU binders for specialized uses as per the customers needs.
- ◆ Our Binder is Industrial benchmark in adhesion and hardness.
- ◆ We specialize in making very low viscosity binder suitable for automatic spraying machines.
- ◆ We also specialize in giving fast curing or self-curing binders thus saving your heating cost.

PU LACQUERS

To further enhance your finishing needs we offer all kind of polyurethane based Clear or Colored PU Lacquers for Matt or Shiny, single or dual tone, protective or aesthetic finishes. We also offer TPR based clear or matt, colored or neutral lacquers. Our Lacquers have high abrasion resistance with high elasticity and hardness. They have a very intensive and useful application as a result of their Aesthetic appearance and UV resistance properties.

IN-MOLD COATINGS

We manufacture In Mold Coatings of various Colors for PU application on Metal Alloy and composite Molds. It is mainly used for application of surface furnish of Polyurethane foams in the manufacture of flexible molded foam, steering wheels, armrests, NVH parts, toys etc. We also have special IMC for footwear Industry providing variety of unimaginable finishes. The process is straight forward, a release agent is first applied on the mold followed by application of the In Mold Coating followed by PU Molding.

PU MOLD CLEANERS

We have various kinds of Mold Cleaners for Metal and Epoxy molds. Our Mold Cleaners provides very efficient and fast cleaning. We can customize the mold cleaner to make it a sprayable liquid or a gel base. They are useful for cleaning wax and foam buildup during foam molding process. We also have EU REACH compliant mold cleaners for Environment and Labour friendly norms.

FOAM ADHESIVE

High speed setting, one component, water based contact adhesive, free from phthalates and organic solvents. Non-flammable. Specially suitable for polyurethane foam reparation and mattress fabrication. High speed setting permitting immediate sanding. They are used in very low consumption. They form a dry film with high mechanical resistance and long open time. They can be used in: shoe-making, construction, furniture and automotive, among others. They can be used on porous substrates such as: wood, cork, foam, carpet, etc.

PU THINNERS

We supply various kind of specialized thinner for PU Moldings, Foaming, Plastics and coating Industries, which can be used in order to achieve the optimum viscosity. The Thinners are also very suitable for cleaning equipment e.g. machinery parts, spray guns etc.

SPRAY GUNS AND SPRAY EQUIPMENTS

We sell specialized spray guns and Pressure Pots for Mold Release Agents and In-Mold Coating Applications. Our Spray Guns are imported from Germany having a high precision nozzle dia of 0.3, 0.5 and 0.8mm for high output and low consumption. Technical service, support and spares are also available for these equipment.



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