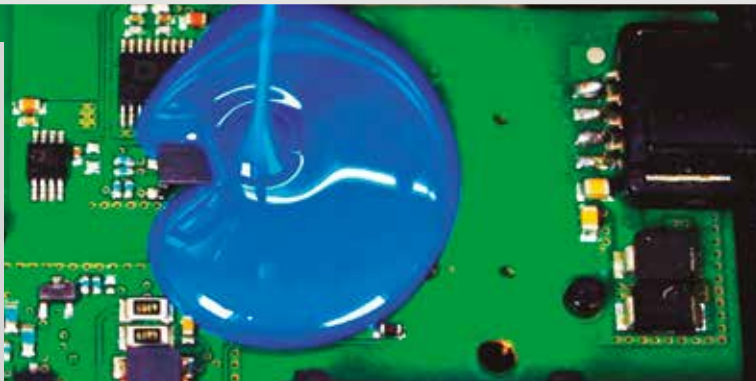




ANTALA

SPECIALITY CHEMICALS - BRAND BROCHURE





ANTALA





Technical Products for Industry

DISTRIBUTORS OF LEADING BRANDS

- 1 TOP BRANDS
- 2 TECHNICAL KNOWLEDGE
- 3 RAPID RESPONSE
- 4 PRODUCTS IN STOCK



Antala is present in the main industrial markets:

-  Automotive
-  Transportation (bus, truck, rail, marine).
-  Energies (wind, solar).
-  General Industry and maintenance

HIGH PERFORMANCE ADHESIVES

HUNTSMAN ARALDITE

Offers a complete range of high performance adhesives for the industrial and consumer markets under the prestigious Araldite® brand. Huntsman leverages its core strengths in synthesis and formulation to produce high performance materials that deliver improved mechanical and thermal performance in the area of composites.

Araldite, Arathene & Aratherm brands are serving worldwide electronics industry. Thermosets such as epoxies and polyurethanes are widely used in the electronics industry to protect devices against chemical, mechanical and electrical loads.

ARALDITE IN ACTION

Araldite® adhesive covers a broad range of applications and offers both production and performance benefits to industrial, consumer and construction markets. For over 40 years, Araldite® adhesives has been the adhesive range of choice in a huge variety of industry sectors.

OTHER BRANDS

Aradur®

Curing agents supplied in liquid or solid form and may be used in conjunction with Araldite® epoxy resins

Arathane®

High performance systems for use in polyurethane applications encapsulation and insulation for electronic components.

Epibond®

Epoxy adhesive designed for aerospace applications encapsulating electronic insertion and surface mount applications.

Epocast®

Syntactic epoxy high performance systems designed to reinforce composite panels honeycomb aircraft floors, walls, kitchens and more.

Uralane®

Polyurethane adhesive designed for high strength joints on acrylics, plastics and metals.

Ren®

- Modeling machining block, epoxy and polyurethane RenShape®
- Epoxy Curing Agents / Hardeners Ren®
- Epoxy paste material RenPaste®
- Silicone releasing agents and silicone-based free RenLease®
- Laminating resins RenLam®
- Encapsulated polyurethane systems RenCast®
- Surface coating systems RenGel®
- Polyurethane casting systems "Parts in Minutes" RenPim®





Automotive Systems

PU ADHESIVES AND SEAM SEALANTS

DOW Automotive systems

Is the worldwide leader in polyurethane glazing.

BETASEAL™

Adhesives for structural bonding of glazing surfaces.

BETAMATE™

Structural adhesives to bond different substrates.

BETAFILL™

Seam sealants and solvent free sealants with permanent elasticity.

BETAPRIME™

Glass and body primers to enhance activation of the bonding.

BETACLEAN™

Glass and body cleaners.

BETAWIPE™

Adhesion promoters for different substrates.

BETABRADE™

Is an abrasive liquid to remove silicon from contaminated Windscreens without scratching the glass.

DOW automotive systems developed the first direct-glazing adhesive system more than 40 years ago





DOW CORNING

SILICONE ADHESIVES AND SEALANTS

DOW CORNING®

Dow Corning is the global leader in silicones and silicon-based technology.

Silicone is a highly elastic inorganic material known for its resistance to UV rays and temperature.

Dow Corning offers products and solutions that meet the needs of customers in virtually every industry and improve the daily lives of approximately one billion people worldwide.

Many of the components in the automotive, electronics, electrical engineering and industry in general require bonded or sealed against dust and moisture and prevent leakage of gas or fluid loss.

The markets where Dow Corning silicones are widely introduced are:

- Automotive
- Renewable energies such as photovoltaic and wind energy sector
- Lighting
- Food industry: coatings for baking or more sealed contact with food or beverages. FDA, NSF51, NSF61, EU Food Regulations ...
- Industrial Applications
- Aeronautics (military specifications)
- Electronics

Typical features of Dow Corning silicones are:

- Excellent resistance to prolonged compressions, even in extreme temperatures.
- Good adhesion to all substrates.
- The long-term stability in a wide temperature range (-60°C to >200°).
- Resistance to oil, water, coolants, cleaning agents and many other chemicals.
- Resistance to different climatic factors (UV, ozone, oxidation).
- Excellent electrical properties.
- Low flammability and toxicity near heat sources.
- Do not require solvents for the process





SILICONE SIMPLIFIED

XIAMETER®

Dow Corning is the world's largest producer of silicon-based technology and silicone products with more than 60 years of experience. Created in 2002 to bring Xiameter silicone technology to the needs of users.

The products developed in recent years of the Xiameter line are silicone rubbers, lubricants, silicone fluids and emulsions, polymers for high temperature applications, release agents, resins resistant to high temperature, for liquid silicone molds, defoamers and repellents the water.

APPLICATIONS

- Damping fluids
- Basis for lubricants
- Food-grade lubrication
- Shine enhancer
- Injection rubber parts
- Defoamers for food industry

XIAMETER PRODUCT RANGE

- Silicone fluids (PMX-200, PMX-0245, PMX-561)
- Silicones with food grade
- Silicone emulsions (MEM-0036, MEM-0346)
- Silicone rubber (RBL-2004 RBL-1551P)
- Silicone Defoamers (AFE-1520)
- Silanes
- Resins
- Silicone molds (moldmaking)



SMP (SILANE MODIFIED POLYMERS)

MERZ+BENTELI AG

World leader in SMP adhesives.

Merz + Benteli developed the first elastic sealant, Silane Modified Polymer with good adhesion on a wide range of substrates without primers.

The MERBENIT products can be painted, they are resistant to UV, weathering and adhere without primer on most substrates.

Industrial applications include: automotive, bus, train, truck, caravan, marine and New Energies.

Silane Modified Polymers resist the stringent requirements for high performance joints and elastic under severe conditions of aging and weathering under UV rays.

Eliminate or minimize the prior pretreatment of substrates, while ensuring optimal elongation and strength properties durability, flexibility and resistance to tearing strength. They can be sanded and painted.

Merz + Benteli ag is the first formulator in Europe of SMP adhesives under license from Kaneka SMP.



ANAEROBIC & CYANOACRYLATE ADHESIVES

PERMABOND®

Permabond is a leading manufacturer of high-tech industrial adhesives, providing for decades worldwide innovative solutions that allow even more difficult unions.

Since the initial phase of the project ...

Permabond has specialist customer service teams worldwide, permanently available to advise and assist their technical R & D. Either for technical assistance, product recommendations, samples, laboratory tests or special formulations, Permabond is at the disposal of the customer.

... To production

Permabond adhesive provides high quality and uniform characteristics, ensuring high productivity in the production lines and high quality connections.

Permabond offers free audits performed in their production processes and support for the introduction of adhesives in the production lines both manual and automatic systems.

ANAEROBIC

- Threadlockers
- Thread sealants
- Retainers
- Liquid joints

CYANOACRYLATES

Union of rubber, plastics, metal and wood.

EPOXIES

Structural bonding, coating, encapsulation

ACRYLIC

Structural bonding of metals, composites, plastics, glass, magnets and ferrites.

UV

Joining glass, plastic, metal.
Cure rapidly upon exposure to UV / VIS



SULZER

MANUAL APPLICATORS CAULKING GUNS

SULZER (PC COX®)

Is the producer number 1 worldwide of applicator guns for adhesives, sealants and mastics.

FEATURED PRODUCTS:

Manual applicators.

Applicators single component cartridge and bags. Suitable for low viscosity materials.

Pneumatic applicators.

Manual applicators for single component cartridges and bags. Suitable for low and medium viscosity materials. They are multi-purpose applicator guns for sealants and adhesives as well as for sprayable adhesives.

Battery Applicators.

Battery operated applicator guns are single-component or two-component cartridge and bags. Suitable for high viscosity materials. Battery operated 18V lithium ions without memory loss, high energy density and also loaded quickly (30 minutes)



SULZER product range

Manual applicators.
Easiflow, Midiflow and Powerflow

Pneumatic applicators.
Airflow 1

Battery Applicators.
Electraflow





CORROSION INHIBITORS FOR AVIATION

Zip-Chem®

Zip-Chem is a brand specialized in the production of chemicals for the manufacture and maintenance of civil and military aircraft.

Its range of products for the aviation sector includes: Lubricants, Corrosion inhibitors (CIC) Cleaners, Sealants, Adhesives and solvents.

Sensitive to environmental concerns and the importance of weight control in the aviation sector, Zip-Chem qualifies to reduce volatile organic compounds (VOCs), without affecting the ozone layer and maintain air Quality Standards of its Chemical specialties. Sur-Prep, Aero-Lube, Calla or Cor-Ban, can be applied in thin layers to achieve the lowest weight possible maintaining the effectiveness.

Zip-Chem has several commercial specifications (Airbus, Boeing, Embraer, Bombardier, Sillously) and Military (Mil Spec)

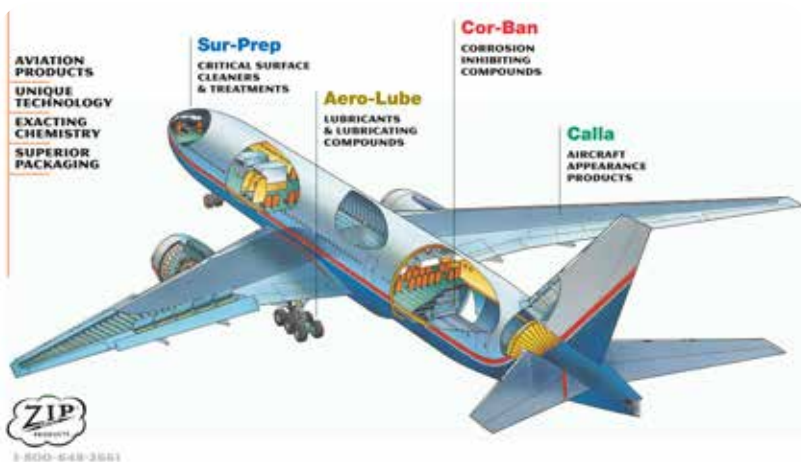
Zip-Chem Product Range

Sur-Prep: Cleaners and surface preparation products for general aviation purpose.

Aero-Lube: Lubricants and compounds to get optimal maintenance of aircrafts.

Calla: specialized range aircraft interior and exterior cleaners, deodorizers and disinfectants.

Cor-Ban: Wide range of corrosion inhibitors, compounds and corrosive chemicals.



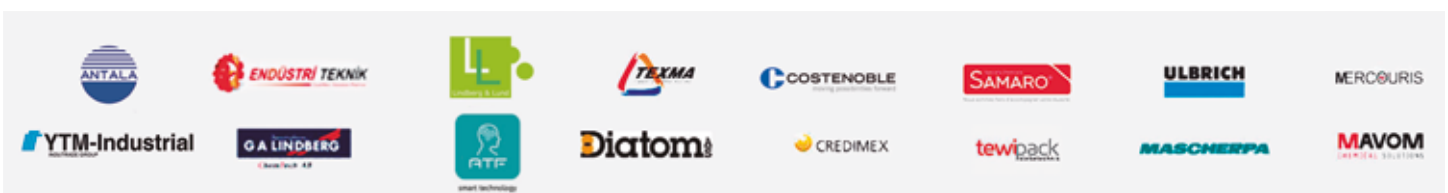


ANTALA IS MEMBER OF THE DISTRIBUTORS GROUP EUROPE

Distributors Group Europe (DGE) was established in 1996 by several European based specialty chemical distributors.

DGE is based in the Netherlands however the market we serve is Europe.

DGE provide a central marketing and sales support for the introduction of new products while also functioning as a knowledge reference center for the group. For its suppliers DGE provide a single platform whereby its partners can market their products through a network of specialty chemical distributors.



ANTALA LTD.
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