

dar-tech, inc.

Serving American Industry Since 1951



dar-tech, Inc, distributes specialty additives, pigments, resins, and functional minerals from our global network of suppliers. A range of products which provide formulation versatility, improved processing, application properties and enhanced appearance & film properties.



MEET OUR SUPPLIERS

ADDITIVES

ACCESS RUDOLF TECHNOLOGIES

Silicone emulsions, Silicone MQ resin technologies, specialty organofunctional Silanes, functionalized Silicone fluids, fluorine free stain repellent, Isocyanate, Block Copolymers and narrow molecular weight Polyethylene polymers.

AFCONA ADDITIVES

High molecular weight polymeric dispersants, wetting and dispersing additives, defoamers & deaerators, flow & slip agents.

BORICA SPECIALTY CHEMICALS

TYTAN titanate & zirconate catalysts, crosslinkers and adhesion promoters.

DEVINE CHEMICAL

DeCal 1000 Series associative & polymeric thickeners, DeCal 2000 Series polyacrylate dispersants, surfactants & emulsifiers. DeCal 5000 series defoamers.

HUBER

Pergopak® flattening and matting agents are organic thermoset polymethyl urea resins (PMU) offering significantly different performance advantages and benefits versus typical silica and polypropylene type flattening agents. Pergopak products help formulators of industrial coatings, inks and overprint varnishes to achieve a higher performing balance of low gloss, rheology, abrasion resistance, coin-marking, water resistance, chemical resistance, heat resistance and soft feel - that they are unable to achieve with silica or wax flattening agents alone.

MICRO POWDERS, Inc.

Micronized wax additives and surface modifiers provide a toolbox of solutions that can enhance durability, functionality, aesthetics, and haptics. Micronized and dispersions of Synthetic, Polyethylene, Polypropylene, PTFE, Amide, Carnauba waxes and wax blends.

MINIFIBERS, Inc.

SHORT STUFF® highly fibrillated HDPE fibers are a unique form of polyolefin fibers having properties which offer many advantages over conventional products, such as fumed silica or cellulose, in certain applications. These fibers can be used in coatings, block fillers, stucco, adhesives, putties, mastics, grouts, caulks, sealants, casting slurries, and more.

PPG SILICAS

PPG precipitated silica products are used as high-performance LO-VEL flattening agents, HI-Sil thickeners and INHIBISIL anti-corrosion pigments to improve the performance, workability and sustainability of coatings, paints, inks, adhesives, and sealants.

MEET OUR SUPPLIERS

PIGMENTS

CHEMOURS

Ti-Pure™ TiO₂ solutions for coatings, specifically in architectural applications and industrial applications, including original equipment manufacturers (OEM), marine, aerospace, and industrial building. Products with high-quality Ti-Pure™ TiO₂ can boast better durability, protection, and longevity for these applications.

DCL CORPORATION

The global leader in the supply of color pigments and dispersions for the coatings industry. Organic Yellow, Orange, Red, Blue, Green, Violet pigments. Inorganic Aluminum Paste, Anticorrosive pigments, Bismuth Vanadate, Molybdate Orange & Chrome Yellow, Chromium Oxide Green pigments, Milori Blue, Ultramarine Blue & Violet, Carbon Black, Lanox Iron Oxides, Zinc Ferrite & Zinc Oxide, Special Effect

RESINS

HAUTHAWAY

Hauthane water-based polyurethane dispersion portfolio affords formulators options for compounding coatings for wood and concrete flooring, automotive interior plastics, leather seating and garments, and flame retardant finishes for textiles.

ZS INTERPOLYMER

SYNTRAN® water-based acrylic grades based on proprietary technologies that can be used in a variety of paint & coatings and graphic arts/ink applications. In addition to conventional alkali-swellable and emulsion acrylics, ZS Interpolymer offers four unique acrylic technologies: dual self-crosslinking technology gives superior water, stain and chemical resistance compared to traditional self-crosslinking acrylics, anionic-cationic hybrid technology gives cationic properties with anionic compatibilities, such as tannin blocking, inherently matte acrylic technology is an acrylic-based liquid matting agent without the need for inorganic chemistry, acrylic-olefin grafting technology offers better stability than traditional olefin waxes.

FUNCTIONAL MINERALS

BURGESS PIGMENTS

Thermo Optic Flash Calcined clays, OPTIWHITE, OPTIWHITE MX, and OPTIWHITE P, are specifically designed to lower TiO₂ levels, control sheen for maximum matte effect, and improve tint strength, touch-up, and scrub and burnish resistance. Conventional calcined kaolin grades Iceberg and Icekap K offer standard filler performance properties.

COVIA Corp.

An extensive range of cutting-edge and cost-effective functional performance mineral fillers and manufactured material solutions. MINEX functional filler made from nepheline syenite which provides unparalleled durability and resistance to abrasion, fading, cracking, and aging associated with both environmental and chemical exposures. IMSIL microcrystalline silica fillers are produced from an inert, naturally occurring alpha quartz with a unique grape-like morphology. Finer micronized grades are useful in formulating higher gloss paints and systems requiring controlled particle top size such as Industrial OEM topcoat coats and non-conductive inks.

MAGRIS TALC

Nicron engineered microcrystalline talc products are high-purity, premium mineral pigments ideal for high performance coatings requiring minimum viscosity, higher loading levels in VOC compliant and high-solids industrial and architectural coatings. Engineered talc products impart hydrophobicity, water resistance, and barrier properties, anti-corrosion performance, film reinforcement, ease-of-dispersion, and anti-settling rheology for industrial maintenance coatings, marine coatings, and general industrial and protective coatings. Mistron high-brightness, high-purity talc products offer superior pigment spacing properties and flattening efficiency for architectural and industrial coatings. Vertal® products are highly lamellar (platy), multi-functional, cost-effective mineral pigments that improve the performance and reduce the formulated costs of interior, exterior, waterborne and primers.

SOUTHEAST PERFORMANCE MINERALS

SEPM muscovite mica is a high purity, high aspect ratio, low bulk density, mica product. With unique processing and grinding technology, both dry and wet ground, were developed in-house and has several advantages over other mica grinding techniques.

SIBELCO

PORTAFIL high purity, high whiteness Aluminum Trihydrate (ATH) mineral filler, PORTARYTE natural batytes (BaSO₄) delivers a range of benefits, from improving UV and chemical resistance in coatings due to its high specific gravity (4.5) and very low solubility. PORTAFER M Magnetite.

TOLSA

PANGEL Sipiolute & Bentonite, CIMSIL Attapugite products are high-purity shear-thinning additives made from different clay minerals that can be used in both water and solvent-based systems. We offer products used as thickeners, providing high stability, preventing settling and syneresis, reducing paint film sagging while keeping good levelling properties

APPLICATIONS



DISPERSING & WETTING ADDITIVES

Disperse and stabilize pigment dispersions

Features: Optimize pigment loading & strength

Benefits: Reduce dispersion time and raw material costs

Suppliers: AFCONA Additives, Devine Chemical & ADM

FLATTING & MATTING ADDITIVES

Gloss reduction and Haptics

Features: Adjust gloss & sheen, add texture & haptics

Benefits: Gloss control, scratch & abrasion resistance, soft feel

Suppliers: Huber Pergopak, Micro Powders, PPG Silicas



RHEOLOGY MODIFIERS & THICKENERS

Rheology control and thickening

Features: Thickening and control of rheological properties

Benefits: Viscosity stability and preventing settling & syneresis

Suppliers: Tolsa, PPG Silicas, MiniFIBERS, Devine Chemical

SURFACE MODIFIERS

End-Product appearance and properties

Features: Adjust flow & leveling, defoaming & deaeration

Benefits: Product aesthetics and performance

Suppliers: AFCONA Additives, Devine Chemical, Micro Powders



PIGMENTS / COLORANTS

Impart color and aesthetics

Features: Absorb and reflect specific wavelengths of light to impart color or lack thereof and special optical effects

Benefits: Opacity, visibility, durability, and protection

Suppliers: Chemours TiO₂, DCL Inorganic & Organic Pigments

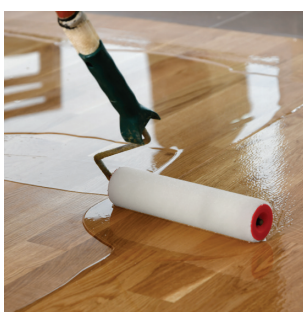
FUNCTIONAL MINERAL PIGMENTS

Performance mineral fillers and pigments

Features: Naturally occurring, sustainable minerals

Benefits: Lower formulation costs, rheology control, durability & chemical resistance, gloss control, VOC compliance

Suppliers: Burgess Pigment, Covia, Magris Talc, Sibelco, SEPM



RESINS

Protective Coating resins

Features: Water-based Acrylic & Polyurethane dispersions, PVOH resins

Benefits: Water-based formulation options for coatings requiring gloss, transparency, water & chemical resistance

Suppliers: Hauthaway, Kuraray, ZS Interpolymer

TESTING EQUIPMENT & INSTRUMENTS

Formulation and Quality Control Evaluation

Features: Instrumentation for testing color, gloss, appearance and physical properties. Lab supplies i.e., drawdown charts, film thickness gauges, grind gauges

Benefits: Formulation & product development property Verification and quality assurance

Suppliers: BYK Gardner Instruments

dar-tech, inc.

For 70 years, dar-tech has provided additives, functional materials, resins, and pigments to a wide variety of industries.

ADHESIVES & SEALANTS
AGRICULTURE
CIVIL ENGINEERING
ELASTOMERS & RUBBER
METALWORKING LUBRICANTS

PAINT & COATINGS
PLASTICS
PRINTING INK
GRAPHIC ARTS

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