

# 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

#### ADM LECITHIN

Yelkin TS, Yelkin SS and ADM 551 water dispersible lecithin. ADM lecithin wetting agents & dispersants, reduce dispersion time and optimize pigment tint strength which can lead to improved production efficiencies, energy and raw material costs.

#### 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® flatting and matting agents are organic thermoset polymethyl urea resins (PMU) offering significantly different performance advantages and benefits versus typical silica and polypropylene type flatting 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 flatting 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 flatting agents, HI-Sil thickeners and INHIBISIL anti-corrosion pigments to improve the performance, workability and sustainability of coatings, paints, inks, adhesives, and sealants.

#### TOLSA

PANGEL Sipiolite & 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

## MEET OUR SUPPLIERS

### PIGMENTS

#### CHEMOURS

Ti-Pure™ TiO<sub>2</sub> 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™ TiO<sub>2</sub> can boast better durability, protection, and longevity for these applications.

#### DCL

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.

#### KURARAY AMERICA

POVAL™ and Elvanol™ PVOH resins are hydrophobically modified polyvinyl alcohol that produces coatings with excellent gas barriers towards oxygen, nitrogen and carbon dioxide ... even in high relative humidity. The resulting coatings are highly transparent and glossy, have a strong chemical resistance and provide good adhesion to metallization as well as excellent printability.

#### 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, OPTI-WHITE MX, and OPTIWHITE P, are specifically designed to lower TiO<sub>2</sub> 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 (BaSO<sub>4</sub>) delivers a range of benefits, from improving UV and chemical resistance in coatings due to its It has a high specific gravity (4.5) and very low solubility. PORTAFER M Magnetite.

## 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 TiO<sub>2</sub>, 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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