

dar-tech, inc.

Serving American Industry Since 1951

PRODUCTS FOR CIVIL ENGINEERING

dar-tech, Inc, distributes specialty additives for property, processing & performance enhancement, functional minerals and resins from our global network of suppliers. The range of products provide formulation versatility, improved processing & application properties, and optimized physical & performance properties.

MEET OUR SUPPLIERS



ACCESS RUDOLF TECHNOLOGIES

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

AFCONA ADDITIVES

High molecular weight polymeric dispersants, wetting and dispersing additives, defoamers & deaerators, flow & leveling additives, surface modifiers.

BORICA SPECIALTY CHEMICALS

TYTAN® titanate & zirconate catalysts, crosslinkers, coupling agents and adhesion promoters.

BURGESS PIGMENT

Kaolin clays are used in cement & concrete applications as fillers or reactive constituents. **BURGESS NO. 20** is a simple filler and rheological modifier to improve texture and trowelability. **BURGESS OPTIPOZZ®** is a reactive metakaolin that converts free calcium hydroxide given off as a byproduct of the Portland gel cement phase to a cementitious particle itself, improving the final cement strength, flex, chemical and soil resistance, as well as reducing shrinkage and cracking.

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. **LUMINEX™ C** is an ultrawhite durable filler that has been

specifically developed for the North American coatings, adhesives, sealant, and grout markets. This durable filler is thermally modified and micronized to further enhance and provide superior optical whiteness and brightness in elastomeric & cool white roof coatings systems and EIFS coatings.

CHEMOURS

Ti-Pure™ TiO₂ solutions for coatings, specifically for architectural, protective, maintenance and industrial applications. Products with high-quality Ti-Pure™ TiO₂ can boast better durability, protection, and longevity for these applications.

DEVINE CHEMICALS

DeCAL 2000 series Superplasticizers and high range water reducers. **DeCAL 9050 & 9051** water reducing plasticizers for rapid drying times/ high early strength development. **DeCAL 9060 & 9061** are precast block water inducing processing aids. Used to improve compaction and handling of all dry/semi-dry concrete processes for blocks, paving flags, block pavers and other concrete products. **DeCAL 9090 & 9095** are cost effective hydration accelerators for fast set binder systems, enhancing early strengths, and optimizing set times. Compatible with all cement types and a modern alternative to the use of high alkali salts such as Lithium Carbonate. DeCAL rheological additives & thickening agents and polyacrylate dispersants available.

HAUTHAWAY

HAUTHANE water-based polyurethane dispersion (PUD) portfolio affords formulators options for developing & compounding coatings for standard & self-crosslinking concrete flooring applications.

MEET OUR SUPPLIERS

MAGRIS TALC

Nicron engineered microcrystalline talc products are high-purity, premium mineral pigments ideal for high performance maintenance coatings requiring minimum viscosity, higher loading levels and VOC compliance. 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 and protective coatings. **Mistron** high-brightness, high-purity talc products **Vertal**® products are highly lamellar (platy), multi-functional, cost-effective mineral pigments. **Silverline**® series are cost-effective general-purpose talc products for non-color sensitive maintenance protective coatings.

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 cellulosic, in certain applications. These fibers can be used in coatings, block fillers, stucco, adhesives, putties, mastics, grouts, caulks, sealants, casting slurries, and more.

SIBELCO

Range of mineral products for construction applications including cement, dry mix mortar & concrete applications; industrial flooring & waterproofing and insulation boards. **PORTAFIL**® high purity, high whiteness Aluminum Trihydrate (ATH) mineral filler and flame retardant. **PORTARYTE**® natural barytes (BaSO₄) delivers a range of benefits for improving UV and chemical resistance in maintenance protective coatings with high specific gravity (4.5) and low soluble salts. **CASIFLUX**® wollastonite (CaSiO₃) for high whiteness & brightness with reinforcement properties.

TOLSA

TOLSA has currently the widest clay based rheological additive portfolio for construction. The range includes milled, refined, chemically modified, and functionalized grades of Sipiolute, Bentonite, Attapulgate. **CIMSIL**® and **PANGEL**® products are used in concrete admixtures, Shotcrete, mortars & grouts and EIFS applications for enhanced rheology, workability, anti-sag & anti-settling properties. **PANGEL**® **RMA-400** series are high performance liquid concrete admixtures based on silicates modified and specifically developed for shotcrete, ready mix and pre-cast applications for rheology control, spray & pumpability, early strength and concrete cohesion.

ZS INTERPOLYMER

SYNTRAN® water-based acrylic grades are based on proprietary technologies that can be used in a variety of protective maintenance coatings. 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. **SYNTRAN**® **AC 9057** is based on a proprietary self-crosslinking technology. This technology combines two different crosslinking mechanisms on the same polymer backbone, which substantially increases the chemical resistance, stain resistance and water resistance of the cured polymer film. This technology was designed for the self-crosslinking mechanism to fully cure at room temperature, which gives 2K properties in a 1K concrete topcoat or sealer.

APPLICATIONS



DISPERSING & WETTING ADDITIVES

Disperse, optimize, and stabilize pigments

Features: Maximize & optimize pigment loading

Benefits: Reduce processing time and raw material costs

Suppliers: AFCONA Additives, Devine Chemical

RHEOLOGY MODIFIERS & THICKENERS

Rheology control and thickening

Features: Control of rheological properties

Benefits: Viscosity stability, improved product workability, anti-settling & anti-sag properties.

Suppliers: Tolsa, Devine Chemical, MiniFIBERS, PPG Silicas

PROCESSING ADDITIVES

Processing and appearance properties

Features: Adjust flow, defoaming & deaeration

Benefits: Production efficiency and product performance

Suppliers: AFCONA Additives, Devine Chemical



PERFORMANCE ADDITIVES

Physical & Performance enhancements

Features: Superplasticizers, water reducers, accelerators, strength and cohesion additives, water & chemical repellency surface active agents.

Benefits: Enhancement of physical and performance properties.

Suppliers: Devine Chemical, Tolsa, Borica

FUNCTIONAL MINERAL PIGMENTS

Performance mineral fillers and pigments

Features: Naturally occurring, sustainable minerals

Benefits: Lower formulation costs, rheology control, durability & chemical resistance, reduced shrinkage and cracking, strength improvement and VOC compliance

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



RESINS

Water-based coating resins

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

Benefits: Water-based formulation and performance options for protective floor coatings requiring chemical, stain and water resistance, adhesion, transparency, barrier properties

Suppliers: Hawthaway, Kuraray, ZS Interpolymer



TESTING EQUIPMENT & INSTRUMENTS

Formulation and Quality Control evaluation

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

Benefits: Formulation & product development property

Verification and quality assurance

Supplier: 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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