MINING SOLUTIONS

WORLD LEADER IN INNOVATIVE SOLUTIONS TO PROTECT FACILITIES AND INFRASTRUCTURE

SEAMLESS FLOORING
FRP GRATING
FRP STRUCTURAL SYSTEMS
PROTECTIVE COATINGS
PRECISION GROUTS
WATERPROOFING MEMBRANES
TRAFFIC COATINGS

KASTEEL
Construction and Coatings
Northern Representative

STONHARD
HIGH PERFORMANCE FLOORS & WALL SYSTEMS

Fibergrate
FRP GRATING & STRUCTURAL SYSTEMS

carboline
COATINGS, LININGS & FIREPROOFING

STONCOR
INTEGRATED CONSTRUCTION SOLUTIONS
StonCor Group Canada, an RPM International Inc. Company, is the Canadian leader in providing innovative solutions to protect and enhance our customers' infrastructure by combining the products and resources of four world leading corrosion control companies – Stonhard, Carboline, Fibergrate and StonCor Construction Products Group (CPG).

StonCor’s expertise covers nearly every aspect of the hydrometallurgical process industry’s corrosion related needs. From High Performance Exterior Coatings and Tank Linings to durable, chemically resistant Grating Structures, floor surfaces and containment linings, our StonCor Engineers work with you to delivery long-term, cost-effective solutions.

The processes unique to the Metals and Mining Industry create severe conditions that can rapidly deteriorate steel and concrete surfaces. This degradation can cause costly process interruptions, hazardous working environments or an environmental disaster. Every surface throughout the process, from the cell floor to the tank house basement is exposed to acid vapours and acid rich electrolyte solutions.

Steel structures and equipment in these areas require highly chemical resistant coatings. Floors, tank, and equipment base and grating structures must withstand both aggressive chemicals and physical abuse. In addition, the Industry’s need to produce, store, transport and reuse large amounts of acid create the need for reliable secondary containment systems to ensure environmental compliance.
CORROSION ASSET INTEGRITY PROGRAMS

We provide engineering consultancy on integrity and reliability integrity, corrosion management, and various professional services related to critical asset long-term protection. With an aim to set new standards in the industry, StonCor has made its mark by offering expertise in long term protection with turn-key solutions for addressing corrosion, abrasion, and erosion of metal and concrete from moderate to severe duty conditions.

The mining, mineral processing, and extractive metallurgy industries are concerned with a wide range of corrosion and erosive media and, therefore, must consider materials selection as the most important approach to corrosion resistance. We offer:

- **ENGINEERING - COATINGS & FRP**
- **ESTIMATING**
- **CORROSION MAPPING**
- **CORROSION AUDITS**
- **PERFORMANCE BASED SPECIFICATION WRITING**
- **MONITORING & MAINTENANCE PROGRAMS**
- **QUALITY ASSURANCE**
- **INSTALLATION**
- **INVESTIGATION & ANALYSIS**
- **TRAINING & EDUCATION SEMINARS**
- **MATERIALS TESTING**
- **PROJECT MANAGEMENT**

**CUSTOMIZED EDUCATION & TRAINING COURSES**
- Experienced in the development of customized education and training courses designed for specific operators or production situations.
- Courses designed for engineers or field technicians.
- Courses can be customized to fit specific education and training needs.
- Fabricator and Applicator Certification Programs
- NACE and SSPC Training Courses

**CORROSION MANAGEMENT SYSTEMS**
- Development and presentation of corrosion management systems training courses.
- Training of Engineers in the development and implementation of corrosion management systems.
- Training of field personnel in the implementation of corrosion management systems.
For more than 90 years, Stonhard has set the standard for installing high performance polymer floor, wall and lining systems. Stonhard’s seamless, long-wearing and easy to clean flooring systems are engineered to perform in both industrial and commercial flooring environments without sacrificing design and innovative vision.

Stonhard has a long-standing reputation for delivering dependable, high-performance, durable, corrosion resistant products to the metals and mining industry. Stonhard’s chemical resistant systems withstand years of abrasion, impacts and spillages of industrial chemicals, while maintaining a decorative, slip resistant, cleanable surface.

Stonhard takes pride in our customer satisfaction - from raw materials to installed systems. We manufacture, install, service and provide Stonhard’s Single Source Warranty on all epoxy flooring products and installation. Our solutions satisfy demanding design specifications with our unparalleled products, easy maintenance and seamless, customized designs. Discover the Stonhard difference!

FEATURES & ADVANTAGES

• Superior impact and abrasion resistance with excellent chemical resistance.
• Ultra-corrosion resistant formulations designed to withstand thermal shock/thermal cycling conditions.
• Conductive elements formulated in an epoxy resin for static control and non-sparking properties.
• Textured, slip resistant systems are long-lasting, stylized, sanitary and easy to clean.
• Ergonomic and sound reducing formulations.
STONCHEM  Lining protection for ultra-corrosive environments that perform under extreme physical conditions.

STONCLAD  Epoxy and urethane floor protection for heavy-duty environments.

STONSHIELD  Slip-Resistant, easy to clean with aesthetic appeal and design flexibility.

STONBLEND  Smart, smooth, stain and wear resistant.

STONRES  Ergonomic and sound-reducing floor that combines distinctive design elements with performance.

STONTEC  A dense, stain resistant vinyl flake system with a wide range of finishes and colour options.

STONKOTE  Coating systems formulated to increase performance, cleanability and appearance of your floors.

STONLUX  Long-lasting, super clean, lustrous floor protection which is available in anti-static formulation.

STONLOK  Flexible interlocking tiles and matting systems for industrial and commercial applications.

STONGLAZE  Smooth and seamless wall products resist splashes, spills, fumes and abrasion.

LIQUID ELEMENTS  Decorative and high performing artfully poured floors which are resilient and designed to be ergonomic, comfortable and stand up to heavy traffic.

APPLICATIONS

- PROCESS AREAS
- CONTROL ROOMS
- TANK HOUSE BASEMENT
- ACID PLANT
- LABORATORIES
- WASHROOMS
- LUNCHROOMS
- SHOWER /CHANGE ROOMS
- OFFICES
- CAFETERIAS
- LOCKER ROOMS
- MORE...

www.stonhard.ca
Fibergrate Composite Structures Inc. is a global manufacturer of fiberglass reinforced plastic (FRP) products for industrial and recreational applications.

The processes unique to the metals and mining industry create severe conditions that can rapidly deteriorate steel and concrete surfaces. This degradation can cause costly process interruptions, hazardous working environments or an environmental disaster. Every surface throughout the electrowinning process, from cell floor to the tank house basement is exposed to acid vapours and acid rich electrolyte solution. Steel structures and equipment in these areas require highly chemical resistant coatings or replacement with FRP members. Floors, tank and equipment bases and grating structures must withstand both aggressive chemicals and physical abuse. In addition, the industry’s need to produce, store, transport and reuse large amounts of acid create the need for reliable secondary containment systems to ensure environmental compliance.

**FEATURES & ADVANTAGES**

- Corrosion Resistant
- High strength-to-weight ratio
- Outstanding slip resistance for better traction
- Easy installation
- Ergonomic characteristics
- Non-Conductive
- Long, maintenance-free life
FIBERGRATE PRODUCT LINE OVERVIEW

MOLDED GRATING
Offers superior performance and long life, even in the harshest, most corrosive environments.

PULTRUDED GRATING
Safe-T-Span® pultruded grating provides durability, extremely high unidirectional strength and stiffness and can be used with confidence where wide support spans are required.

FIBERPLATE® FLOOR PLATE
Sturdy, slip resistant molded floor panels provide exceptional corrosion resistance, durability and bi-directional strength.

STAIR TREADS & TREAD COVERS
Low maintenance, slip-resistant solutions for retrofit and/or new construction of stairways.

HANDRAIL & LADDER SYSTEMS
Easy-to-assemble systems answer the need for lasting durability, corrosion resistance and safety.

STRUCTURAL SHAPES
Used in a broad range of applications, Dynaform® pultruded structural shapes include channels, beams, angles, bars, threaded and non-threaded rods, nuts, toe plates and flat sheets.

APPLICATIONS
- Tank Top Walkways
- Safety Ladders & Handrails
- Plating Rooms
- Structural Members
- Buss Bar Enclosures
- Trench Covers
- Tank House Decking
- Access Platforms
- Safety Platforms

www.fibergrate.ca
Carboline Company is dedicated to supplying high performance coatings, linings and fireproofing products around the world through continuous technological improvements and first class service.

The metals and mining industry is presently being confronted with many challenges and obstacles. The price of metals significantly affects new plant viability and therefore creates constant pressure to increase productivity and efficiency while lowering product costs. More and more facilities are move to solvent extraction/electrowinning processes. The high rate of corrosion resulting from these processes (severe acid and acid vapour environments) is presenting the industry with significant corrosion control challenges.

Carboline is a proven supplier of highly chemical resistant coatings for steel structures and equipment that can withstand aggressive chemicals, physical abuse, and abrasion. Our reputation is built on providing a complete range of high performance and ultra durable maintenance coatings which meet the demands of the metals and mining industry.

The leader in high performance corrosion resistant coatings for over 60 years. Carboline’s extensive product line reflects the latest technological advances.
CARBOLINE PRODUCT LINE OVERVIEW

BITUMASTIC®
Epoxy Primers & Finishes

CARBOCOAT®
Industrial Alkyds

CARBOCRYLIC®
Water-borne Acrylics

CARBOGLAS®
Flake-Glass Polyester

CARBOGUARD®
Surface-Tolerant Epoxy Mastics

CARBOMASTIC®
Surface-Tolerant Epoxy Mastics

CARBOHANE®
Aliphatic Polyurethanes

CARBOWELD®
Weldable Pre-Construction Primers

CARBOXANE®
Ultra-Weatherable Finishes

CARBOZINC®
Inorganic & Organic Zinc-Rich Primers

MULTI-GARD®
Light Industrial Service Coatings

NULLIFIRE®
Architectural Intumescent Fireproofing

PHENOLINE®
Chemically Resistant Coatings & Linings

PLASITE®
Ultra High-Performance Tank Linings

POLYCLAD®
Coatings & Linings for Pipelines

PYROCRETE®
High Density Cement Based Fireproofing

PYROLITE®
Low Density Gypsum Based Fireproofing

REACTAMINE®
Polyurea & Hybrid Polurethane Elastomers

RUSTBOND®
Penetrating Sealers

SANITILE®
Tile-Like Wall Finishes and Floor Coatings

SEMSTONE®
Chemical Resistant Coatings for Concrete

THERMALINE®
High-Heat Coatings

APPLICATIONS

• Structural Steel
• Piping
• Catwalks
• Tank Exteriors
• Walls and Ceilings
• Retail and Commercial Facilities
• Metallic Handrails
• Exterior Water Tanks
• Valves
• Motors
• Storage Tanks
• and more...

www.carboline.ca
StonCor Construction Products Group combines world leading product ranges to provide a comprehensive and integrated solutions portfolio for repair, restoration, strengthening, waterproofing, corrosion protection and upgrading of residential, commercial and industrial buildings, parking decks and structures, combined with precision engineered grouts for equipment support and stabilization.

StonCor’s diverse portfolio of solutions includes Five Star, Vandex, StonDeck, StonFlow, Joint Stabilizer, StonWalk, CarboComp and Leak Inject. This lineup allows us to tackle projects from the smallest repair to full scale refurbishment on existing structures and also meet the demanding requirements of any new build design.

We are dedicated to providing value to our customers through technical advancement, specification assistance and technical support coupled with our “Best In Industry” customer support programs and service.

**APPLICATIONS**

- Parking Deck Repair and Waterproofing
- Structural Waterproofing and Leak Stopping
- Concrete Repair and Restoration
- Slab Stabilization and Load Transfer Reinstatement
- Low Temperature Joint Sealing and Repairs
- Low Temperature Lines and Markings
- Fast Track Caulking and Sealing
- Garbage Room Refurbishment – Fast Turnaround
- Corrosion Inhibitor Application
- Installation and Replacement of Movement Joints
FIVE STAR
High performance solutions for both concrete repair and precision grouting, including a mineform backer grout, from a world leader in cementitious and epoxy repair technology.

JOINT STABILIZER
Joint Stabilizer offers a permanent fix to common joint problems with virtually no disruption to your operation during installation by providing positive load transfer at joints which prevents damaging deflection.

STONFLOW
StonFlow is a pumped self-leveling cement-based flooring system that is specifically designed to provide a solution where high strength, fast turnaround and level floors are required.

LEAK INJECT WATERPROOFING SYSTEMS
For water penetration in deep construction such as rail and road tunnels, or moving cracks in structures such as parking decks and basements, our range of injection resins covers all eventualities including Rigid and Flexible Polyurethanes, Acrylic Gels and Structural Epoxy Injection Resins.

VANDEX WATERPROOFING SYSTEMS
Originators of Crystalline Waterproofing, Vandex is a name synonymous with the waterproofing, repair and protection of buildings and structures since 1946.

STONDECK
StonDeck Protection Systems have been designed to meet the needs of Canadian Parking Structures and Balconies and comply with the requirements of S413. StonDeck is used to waterproof and protect structures from chloride ion penetration while also providing slip-resistant and decorative surfaces.

STONWALK
StonWalk is a seamless and slip-resistant bonded natural stone aggregate system that has been designed to ensure that walkways and external concourse areas reflect the natural beauty of the outdoors.

CARBOCOMP STRUCTURAL STRENGTHENING
Our system utilizes carbon fibre to strengthen and upgrade structures and buildings to repair construction errors, upgrade carrying capacity and resist seismic loading.