

ABRASION, IMPACT, CHEMICAL RESISTANT FLOORING

CFRP STRUCTURAL STRENGTHENING

CONCRETE REPAIR

FIREPROOFING

PROTECTIVE COATINGS

FRP STRUCTURAL SYSTEMS



T: 800.263.3112 | WWW.STONCOR.CA



StonCor Group

TIPPING FLOOR SOLUTIONS FOR STRUCTURAL SUSTAINABILITY & PERSONAL SAFETY

Finding the right system for the right environment is what we do best.

StonCor Group Canada is the leader in providing innovative solutions to protect and enhance our customers' infrastructure by combining the products and resources of four world leading corrosion and abrasion protection companies - Stonhard, Carboline, Fibergrate, and StonCor Construction Products Group.

We are committed to providing total system solutions engineered to offer long-term, cost-effective protection for your facility and structures. Our world leading portfolio of products and systems provide the ultimate defense against the toughest conditions.

Impact, abrasion and chemical attack are no match for our total system solutions. StonCor understands the critical importance of protecting and preserving your most valuable structural assets and provide a single source for all of your corrosion, abrasion and chemical protection needs.

ADVANTAGES & TECHNOLOGIES

- Total System Solutions Approach - Complete Structural Protection.
- Design & Engineering
- Superior impact, abrasion, chemical resistant systems
- Ultra-corrosion resistant formulations designed to withstand thermal shock/thermal cycling conditions
- Carbon Fiber Strengthening
- CFRP Compatible Fireproofing

STONHARD

Fibergrate

carboline

StonCor Group
CONSTRUCTION PRODUCTS

TIPPING FLOOR SOLUTIONS FOR STRUCTURAL SUSTAINABILITY & PERSONAL SAFETY

CHALLENGES & RISKS

PROBLEM

- Deteriorated overlay

CAUSES

- Abrasion and impact
- Leachate (a.k.a. Garbage Juice)

RISKS

- Premature failure of tipping floor
- Safety hazards

UNMET EXPECTATION

- 5 -year service life



Condition of tipping floor after 2 years in service

SOLUTIONS & BENEFITS

STONCLAD UT

- Polyurethane mortar with Aluminum Oxide aggregate

DIFFERENTIATING PROPERTIES

1. Urethane binder: Resistant to most aggressive chemical and superior compressive strength
2. Aluminum Oxide: Highest abrasion resistance
3. Can be applied up to 1" thick

SINGLE SOURCE SOLUTION: ENGINEER - SUPPLY - INSTALL



STONCLAD UT FLOORING

FLOOR SLAB

CRACK REPAIR

CARBOCOMP PLUS CARBON FIBER STRENGTHENING

FIREPROOFING



Shoring of concrete slab at transfer station in Canada

PROBLEM

- Impairment of the concrete slab's structural integrity

CAUSES

- Excessive dynamic load due to movement of trucks and heavy equipment

RISKS

- Structural collapse of tipping floor
- Injury to personnel
- Disruption of operation

SHORTCOMINGS OF CURRENT SOLUTIONS

- Expensive shoring or refill
- Waste of operational space



NEXT GENERATION CFRP LAMINATES

- Carbocomp Plus: Unique multi-dimensional CFRP laminates

DIFFERENTIATING PROPERTIES

1. Mechanically bolted
2. Doubles the load bearing capacity
3. Restores impaired structural integrity
4. Cost-effective
5. No interruption of the operation

COMPLEMENTARY PRODUCTS

- Crack Injection and Concrete Repair
- Compatible Fireproofing System