

Liquid Rubber™



LIQUID RUBBER

An AMAZING Elastomeric Membrane Coating





Outline

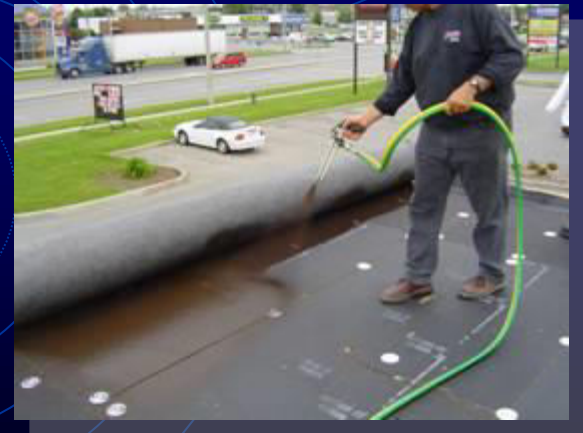
- Product Description
- Performance Benefits for Customer
- Field Application Cases
- Summary





What is Liquid Rubber?

- An asphalt emulsion coating engineered to provide exceptional adhesive, elastic & protective properties
- Spray or brush applied at ambient temperature
- Cures into a seamless membrane
 - Waterproofing ability
 - Corrosion resistance
 - Chemical resistance
 - Encapsulation
- Products
 - Spray Grade: Daclar™ Drylar™ Vezlar™
 - High Build : Zavlar™
 - Trowel Grade: Voxlar™





Performance Benefits

- Superior Performing Membrane
 - Bonds to most construction materials
 - Seamless membrane that protects substrate
 - Against corrosion, water damage, chemical attack
 - Elongates 1300% with 95% recovery
 - Withstands thermal cycling
 - Puncture resistant
- Significant installation cost savings for customer
 - Minimal surface preparation required
 - One coat system
- Environmentally friendly and safe
 - VOC free
 - Non toxic





Field Application Cases





Liquid Containment

- Containment vessel for liquid manure
- Constructed using Lafarge concrete
 - Teeswater Ready-Mix plant
- Liquid manure leaking out of vessel
- Environmental concern
 - Near Walkerton, Ontario





Liquid Containment

- Liquid Rubber Spray Grade
 - Seamless containment lining installed
- Ministry of Environment inspected
- Successfully contained liquid manure
- Performing for over 2 ½ years





Chemically Resistant Lining

- Huntsmann Chemical
- Concrete chemical storage tanks
- Original epoxy lining failed
 - Harsh environment





Chemically Resistant Lining

- Liquid Rubber Spray Grade
- Lining inspected after 2 yr service
 - Excellent condition
- Resisting chemical attack
- Protecting concrete substrate





Pre-Cast Concrete Protection

- Liquid Rubber Spray Grade
- Sewage Treatment Pre-Cast Structures
- Manholes
- Waterproofing joints (culverts)





Pre-Cast Concrete Protection

- Liquid Rubber Spray Grade





Pre-Cast Concrete Protection

- Butyl tape joint sealant failed
- Water leaking into tunnel
- Joints sealed with Liquid Rubber
 - High Build
- Successfully waterproofed tunnel





Waterproofing Wine Cold Rooms

- Underground wine storage cold rooms
- Niagara region
- Waterproof structures necessary
 - Prevent decay of wooden wine barrels
- Liquid Rubber Spray Grade
 - Provides water barrier





Fire Fighting Water Containment Vessel

- Distribution centre (top)
 - Rural location near Cornwall
- Concrete containment vessel
 - 1.5 M gallons fire fighting water
- Fire Fighters Training Centre (bottom)
- Liquid Rubber Spray Grade
 - Provided waterproof structure
 - Applied without 'instant set'
 - Doubled as tack coat for protection board
 - Installation cost savings for customer
 - Time (productivity) savings for customer





Foundation Protection

- Waterproofing concrete foundations
- National Steel Car location
- Liquid Rubber
- Specified for all foundation work





Foundation Protection

- Luxury home builders
- Liquid Rubber used for foundation work





Underground Tunnel Repair

- Aging concrete tunnel cracked
 - Water leaking into tunnel
- ‘Flood-Coat’ of Liquid Rubber applied
 - Spray Grade used without ‘Instant-Set’
 - Penetrated and sealed cracks





Underground Tunnel Repair

- Instant-Set Liquid Rubber
 - Applied on top of 'flood-coat'
 - Provided seamless membrane
 - Tunnel successfully waterproofed





Pincher Creek Dam Conversion

- Metallic culverts restrict water flow
 - Regulates water level
 - High levels result in lower water temp.
 - Negatively impacts fish spawning
- Epoxy coating damaged
 - Fast moving water stream
- Liquid Rubber application successful
 - Fastening bolts coated with High Build
 - Inside of culverts lined with Spray Grade





Truck Body Rust Proofing

- Region of Peel salt-truck body application
- Rust proofing
- Previously used 'Crown Rust' material
- Liquid Rubber now material of choice
 - Superior performance





Corrosion Resistant Roof Lining

- Fertilizer storage building
- Corrosion problems
 - Off-gases from fertilizer corroding roof
- Liquid Rubber Spray Grade
 - Resistance to chemical attack and corrosion
 - Waterproofing protection





Asbestos Encapsulation

- Frayed asbestos on building roof
 - Contaminating air circulation system
- Liquid Rubber Spray Grade
 - Encapsulation of asbestos





Greenhouse Planter Boxes

- **Westbrook Floral**
 - Supplies Wal-Mart in North America
 - 100's of acres of planter boxes
 - Fertilizer corroding planter boxes
 - Water leaking out
 - Losing expensive fertilizer
 - Plants dieing
- **Liquid Rubber Spray Grade**
 - Liquid Rubber & protection board
 - System provides chemical resistance
 - Water & fertilizer contained in planter boxes
 - Cost savings for customer





Other Applications of Liquid Rubber

- Corrosion Protection
- Air Barrier
- Pond Liners
- Water Treatment Plants
- Bridges, Dams and Tunnels
- Cow Pads
- Truck Box Liner
- Gypsum
- Various Others





Contact Info

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