



PROTECTIVE COATINGS | Repair, Restore & Coat Your Equipment



Repair, Restore & Coat

RR&C Protective Coatings keep your equipment in excellent condition and prevent lengthy downtime due to maintenance. We offer a wide range of products that can be used on a variety of surfaces, from metal to concrete and more. Our products are easy to use, contain low or no VOCs and are safe for workers. So whether you're repairing, restoring or coating your equipment, keep it in good shape with RR&C Protective Coatings.







TRANSPORTATION & CORROSION COATINGS

Water-Based

Corrosion Control Paint

Corrosion Control Paint is a blend of selected mineral fillers and emulsified asphalts that provides an excellent primer for coal tar or asphalt and gravel roof restoration.

Features:

- Water-based with low VOC
- Very stable - no settling or separation
- Environmentally friendly
- Worker friendly
- Cost effective

Underbody Coating

Underbody Coating is a blend of selected mineral fillers and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates.

Features:

- Water-based with low VOCs
- Very stable - no settling or separation
- Environmentally friendly
- Worker friendly

Ductile Iron Pipe Coating

Ductile Iron Pipe Coating is a blend of selected mineral fillers and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates.

Features:

- Water-based with low VOCs
- Very stable - no settling or separation
- Environmentally friendly
- Worker friendly
- NSF approved



CONCRETE REPAIR SOLUTIONS

Diverse Surfaces

Surface Tolerant DTM

Surface Tolerant DTM is a surface tolerant, penetrating coating designed to be used without a primer or topcoat to seal concrete or protect metal from atmospheric corrosion. It can easily be applied by brush or roller at 4 to 8 mils over manually prepared surfaces where blasting is not allowed.

Features:

- 100% solids, no VOCs
- Exceptional wetting characteristics
- Low stress, highly flexible film
- Surface tolerant Strong bond to marginally prepared substrates
- Long-term protection

Concrete Epoxy Primer

Concrete Epoxy Primer is a penetrating, moisture tolerant epoxy primer that seals porous concrete surfaces to prevent outgassing and associated blisters and pinholes. It promotes adhesion to a variety of finish coats.

Features:

- No VOCs
- Exceptional wetting characteristics
- Low stress, highly flexible film
- Adheres to damp concrete
- Green concrete primer (7+ days)

Lightweight Concrete Repair

Lightweight Concrete Repair is a 100% solids, three-component concrete repair mortar formulated for horizontal, vertical and overhead applications. Its penetrating resin binder doubles as primer for exceptional bond. Lightweight fillers allow up to 4 inch (10 cm) build thickness in one pass on vertical surfaces.

Features:

- No VOCs
- Lightweight, easy-to-use concrete repair
- Stronger than concrete
- Long-term protection
- May be applied up to 4-inches thick on verticals without sagging

Flexible Epoxy Lining

Flexible Epoxy Lining is a versatile, surface tolerant elastomeric industrial maintenance coating and joint compound that offers moderate chemical resistance and outstanding adhesion to a wide variety of substrates including asphalt and concrete. It forms an excellent barrier over sand, dirt or rock when applied to suitable geotextiles.

Features:

- 100% solids
- Excellent impact resistance
- Adheres to metal, concrete, asphalt, and geotextile
- Excellent flexibility, >300% elongation





REPAIR & REBUILDING SOLUTIONS

Metal Parts & Surfaces

Machinable Multipurpose Repair Paste

Machinable Multipurpose Repair Paste is a composite rebuild material for metal parts and surfaces. It has a smooth, spreadable consistency that makes it easy to apply.

Features:

- No VOCs
- Machinable
- Kits include tools
- Excellent UV stability
- Excellent impact resistance and corrosion protection
- AWWA C210 compliant
- FDA compliant to 21 CFR 175.300 for food contact

Metal Repair Paste Fast Cure

Metal Repair Paste Fast Cure is a fast-setting version of RR&C Ceramic Repair Paste High Temp, a high performance paste-grade novolac repair compound for shop and field repair and rebuilding of equipment. It is ideally suited for fixing tank leaks, piping, and electrical bushings and for setting keyways or taper fits when fast turnaround is critical.

Features:

- Fast cure for emergency repairs
- Complies with ASME PCC-2, Article 4.1 as long-term repair
- Outstanding bond strength
- Excellent chemical resistance
- Machinable
- Non-shrink and low-slump for repair of vertical surfaces
- Surface tolerant and moisture tolerant
- Fast return-to-service

Ceramic Repair Paste

Ceramic Repair Paste is a two-component 100% solids trowel-grade epoxy novolac caulk for use as a chime repair or lap weld feathering product for steel tanks. It is often used in conjunction with chemical resistant topcoats such as RR&C Fluid Flow Liquid Epoxy or RR&C Liquid Ceramic Epoxy High Temp. Excellent chemical resistance to a wide range of petrochemicals, fuels, organic/inorganic acids and alkalis. Long recoat window allows it to be topcoated up to 14 days, depending on temperatures.

Features:

- 100% solids, no VOCs
- Application and cure at room temperature
- Multipurpose durable repair composite
- No shrinkage, expansion or distortion
- Quick return-to-service
- Fully machinable using conventional tools

Ceramic Repair Paste High Temp

Ceramic Repair Paste High Temp is a two-component 100% solids trowel-grade novolac epoxy polymeric repair paste used to fill voids and rebuild worn metal surfaces in pumps, motors, impellers, fans, tube sheets, heat exchangers, elbows, nozzles and more.

Features:

- 100% solids, no VOCs
- Excellent chemical resistance
- Maximum heat resistance

Ceramic Carbide Repair Material

Ceramic Carbide Repair Material is a high performance ceramic filled novolac epoxy repair/wear compound for severe environments such as coal chutes, coal silos, rock crushers, and dry bag houses.

Features:

- 1100% solids, no VOCs
- Outstanding abrasion resistance
- Application and cure at room temperature - no hot work involved
- No shrinkage, expansion or distortion
- Quick return-to-service under proper cure conditions
- Meets the performance requirements of AWWA C210 and FDA requirement 21 CFR 175.300 for food contact.





LIQUID COATING SOLUTIONS

Chemical Resistant

Liquid Ceramic Epoxy Elevated Temp

Liquid Ceramic Epoxy Elevated Temp is a 100% solids novolac epoxy coating for floors, secondary containment, fume ducts, piping and bulk storage tanks. Densely cross-linked, it resists permeation by organic acids, caustics and petrochemicals, while ceramic fillers offer enhanced abrasion and temperature resistance.

Features:

- Excellent resistance to wide range of acids and caustics
- Low permeation rate for tank lining service
- Solvent free – 100% solids
- Suitable for single leg application
- Quick return-to-service (24 hours at 77°F (25°C) for hydrocarbon immersion service)

Liquid Ceramic Epoxy High Temp

Liquid Ceramic Epoxy High Temp is a 100% solids novolac epoxy coating for floors, secondary containment, fume ducts, piping and bulk storage tanks. Densely cross-linked, it resists permeation by organic acids, caustics and petrochemicals.

Features:

- Resistant to wide range of acids and caustics
- Low permeation rate for tank lining service
- Solvent free – 100% solids
- Plural or single leg spray application
- Quick return-to-service – 24 hours at 77°F (25°C) for hydrocarbon immersion service

Liquid Ceramic Epoxy ARO

Liquid Ceramic Epoxy ARO is a highly abrasion resistant coating that forms a strong bond, even to damp and marginally prepared surfaces including tightly adhered rust. Suitable for use on concrete, steel, or surface rebuilding and restoration products, this low-friction overcoat resists build-up and offers long-term wear protection.

Features:

- 100% solids, no VOCs
- Excellent immersion resistance
- Long-term wear protection
- Excellent abrasion resistance
- Meets AWWA 210 performance requirements Protection against abrasion and/or cavitation

Fluid Flow Liquid Epoxy

Fluid Flow Liquid Epoxy is a densely cross-linked, 100% solids epoxy novolac coating that provides superior long-term resistance to a wide range of acids, salts and strong caustics. The outstanding adhesion properties of Fluid Flow Liquid Epoxy make it ideal for use on marginally prepared substrates while delivering maximum performance. Outstanding adhesion to previously epoxy-coated substrates provides extended recoat window.

Features:

- Excellent thermal compatibility with steel and concrete
- Low permeation rate for tank lining service
- Solvent free – 100% solids
- Plural or single leg application
- Quick return-to-service – 24 hours at 77°F (25°C) for hydrocarbon immersion service
- Single-coat application Broad chemical resistance
- High film build in one coat
- Resistant to 250°F in hydrocarbon immersion service



BUILDING ENVELOPE COATINGS

Dampproofing

Dampproofing Non-Fibred Spray Grade

Dampproofing is a blend of selected mineral fillers and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates.

Features:

- Water-based with low VOCs
- Very stable - no settling or separation
- Environmentally friendly
- Worker friendly

Dampproofing Fibred Spray Grade

Dampproofing Fibred Trowel Grade is a sprayable fibred blend of selected mineral fillers and emulsified asphalts that provides excellent protection against moisture vapor intrusion in porous substrates such as cement.

Features:

- Water-based with low VOCs
- Very stable - no settling or separation
- Environmentally friendly
- Worker friendly
- Meets ASTM D1227 Type 2, Class 1

Acrylic Dampproofing

Acrylic Dampproofing is a user-friendly, single-component, thin-film waterborne coating for concrete dampproofing.

Features:

- Water-based - environmentally and user friendly
- VOC content SCAQMD-compliant
- Very stable - no settling or separation
- Complies with EPA 40 CFR 261 for solid waste management
- Resistant to 5% hydrochloric acid, 5% sulfuric acid and 5% caustic potash



BUILDING ENVELOPE COATINGS

Waterproofing

Waterproof Membranes are non-fibred polymer modified asphalt emulsions designed for use on below grade walls, above grade walls and roofs. These products are formulated using polymer modification which provides a cured, waterproof and very flexible film. As water-based products, Waterproof Membranes are low VOC, non-flammable and present no hazards from open flame or welding in the work area.

Features:

- Waterproof
- Very flexible
- Environmentally-friendly low VOC formulas

Waterproof Membrane Spray Grade

When co-sprayed with a cure accelerator, cure can be achieved within minutes.

Waterproof Membrane Brush/Roll Grade

Use without a cure accelerator to prepare details prior to applying Waterproof Membrane Spray Grade.

Waterproof Membrane All Purpose Grade

Achieve heavy film build with brush, roller, trowel, or spray around details prior to applying Waterproof Membrane Spray Grade.



White Roof Restoration Coating - RS

White Roof Restoration Coating – RS is a waterborne epoxy modified elastomeric acylic that provides a tough, monolithic, flexible membrane for use as a white roof restoration coating.

Features:

- Water-based with low VOC's
- Rapid setting
- Elastomeric properties
- Sag proof
- Easily repairable

COMPETITOR COMPARISON

METAL REPAIR PRODUCTS - PRODUCT COMPARISON & SPECIFICATIONS

RR&C PRODUCT	BELZONA PRODUCT	ARC CHESTERTON	ABRASION ASTM D4060 CS17 WHEEL 1000 CYCLES 1 KG LOAD WEIGHT LOSS	ADHESION ASTM D4541	ROCKWELL HARDNESS ASTM D2240	COMPRESSIVE ASTM D695	FLEXURAL ASTM D790	TENSILE SHEAR ADHESION ASTM D1002
Ceramic Carbide Repair Material	1812 Ceramic	ARC BX2	25 mg	>2,500 psi	>80	>17,000 psi	>13,000 psi	>3,500 psi
Ceramic Repair Paste	1121	ARC BX1	40 mg	>2,500 psi	>80	>16,000 psi	>13,000 psi	>3,500 psi
Ceramic Repair Paste High Temp	1311 Ceramic R Metal	ARC HT-T	35 mg	>2,500 psi	>80	>15,500 psi	>13,000 psi	>3,500 psi
Concrete Epoxy Primer	No Equivalent	ARC HT-T	89 mg	>2,500 psi	75	11,800 psi	>11,000 psi	>2,000 psi
Fluid Flow Liquid Epoxy	1341 Supermetal Glide	ARC HT-S	42 mg	>3,000 psi	>80	>16,000 psi	>13,000 psi	>3,500 psi
Liquid Ceramic Epoxy ARO	1321 Ceramic S Metal	ARC SD4i	23 mg	>2,500 psi	>80	>15,500 psi	>13,000 psi	>3,000 psi
Liquid Ceramic Epoxy Elevated Temp	1391 Ceramic	ARC S4+HTX	35 mg	>3,000 psi	>80	>15,500 psi	>13,000 psi	>3,000 psi
Liquid Ceramic Epoxy High Temp	1392	ARC S5	37 mg	>3,000 psi	>80	>15,500 psi	>13,000 psi	>3,500 psi
Machinable Multipurpose Repair Paste	1111 Super Metal	ARC 10	45 mg	>2,500 psi	>80	>17,500 psi	>13,000 psi	>3,000 psi
Metal Repair Paste Fast Cure	1211/1221	ARC 5	35 mg	>2,500 psi	>80	>15,500 psi	>13,000 psi	>3,000 psi
High Performance Ceramic Repair Putty		ARC MX1	80 mg (H22)	>2,800 psi	>	>	>	
Surface Tolerant DTM	No Equivalent		56 mg	>2,500 psi	70	>12,000 psi	>11,000 psi	>2,000 psi

ASPHALTIC EMULSION PRODUCTS

RR&C Product	Competitive Product
Corrosion Control	TECTYL 351S
Dampproofing	Henry 789 or ConSeal CS-55
Frame Paint Low Viscosity	Henkel AQUENCE KL or TECTYL Frame Paint XP
Low Viscosity Corrosion Control	Royal PC
Pipe Coating	PCT MC4 or MPFC-S1.0
Underbody Coating	TECTYL 6427 or 6430
Waterproof Membrane Brush/Roll Grade	Wetsuit 1-Part, Instacoat Roofing SL Grade
Waterproof Membrane Spray Grade	Wetsuit 2-Part, Instacoat Performance Grade

CONCRETE REPAIR PRODUCTS

RR&C Product	Competitive Product
Flexible Epoxy Lining	PolySpec Thikol FEC 2234 or Ceilcote Ceiline Series
Light Weight Concrete Repair	EucoRepair V100



Manufactured by:

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