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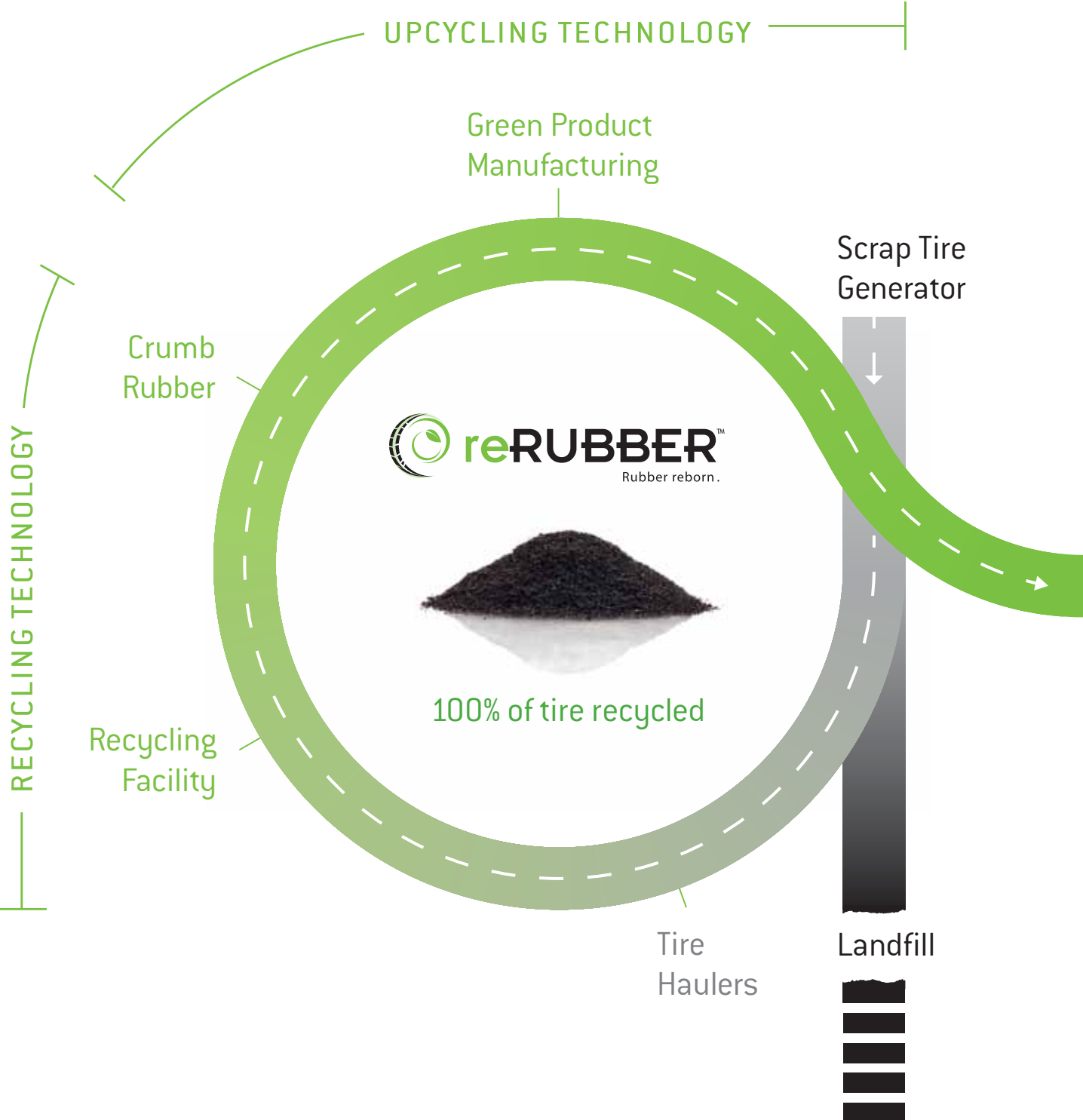
# RUBBER TECHNOLOGY reINVENTED

CA Tire Recycling  
Permit# TPID1544413

Funded By CalRecycle Grant



# Closed loop recycler



## NEW PRODUCT LIFE

- Tire Sealant
- Coatings
- Molded Products



- \* 100% California scrap tires
- \* 50%+ of post consumer recycled content
- \* Regionally sourced materials
- \* Rubber product development partner
- \* 1 lb of crumb rubber saves 1 lb of CO2
- \* Recycled rubber uses 1/3 of the energy vs virgin rubber
- \* Eliminates demand on our limited natural resources

# Rubber technology reinvented



## Crumb Rubber

- Synthetic Turf
- Playground Surfacing
- Rubber Modified Asphalt
- Molded Products
- Rubber and Plastics



## Tire Sealant

- Extends Tire Life
- Prevent Punctures
- Maintains Tire Pressure
- Works on All Type of Vehicles
- Water Based



## Automotive Coatings

- Bedliner
- Undercoat
- Garage Floor
- Body Filler
- Bumper Repair



## Infrastructural Coatings

- Waterproofing
- Crack Sealant
- Anti-Corrosion
- Energy Saving Top Coat
- Cost Effective



## Molded Products

- Custom Molding Services

### First Aid

**Eye Contact:** Irritation of eyes. Prolonged or repeated exposure to eyes can cause conjunctivitis, tearing of eyes, and redness of eyes.

**Skin Contact:** irritation of skin. Wash thoroughly with disinfectant soap.

**Ingestion:** Do not induce vomiting. Seek immediate medical attention.

**Inhalation:** irritation of respiratory tract. Prolonged inhalation may cause mucous membrane irritation, dizziness and/or lightheadedness, headache, nausea, coughing, central nervous system depression.

### SEE Analysis for list of hazardous ingredients

May cause eye, skin, nose, and throat irritation. Use only with adequate ventilation. Do not breath vapors, spray mists, or sanding dust. If indoors, open windows and doors to ensure continuous flow of fresh ait during mixing, application, drying, and sanding. When spraying or in the event you experience eye irritation, increase air flow or wear protective respiratory protection, or leave the area. If adequate ventilation cannot be provided wear an approved particulate respirator (TC21C or equivalent). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin, and clothing. Use safety eyewear with splash guards.

**KEEP OUT OF REACH OF CHILDREN**

**- DO NOT INDUCE VOMITTING -**

**Low VOC. Contains less than 125 grams per liter VOC.**

### WARRANTY

This product has been formulated with the utmost concern for successful results. Since application and existing conditions may vary, the customer or final user should determine the suitability of the product for the intended use. And assume all liabilities, direct or indirect or consequential damage.

### Surface Preparation

Clean off surface with broom or blower. If you must spray with hose or pressure washer make sure it is totally dry before application, as any residual moisture could affect the functionality of the product.

**BIOLOGICAL CONTROL:** If there are any areas of algae, mildew or fungus which show stains treat areas with a chlorinated water solution, followed by a clean rinse.

### Material Preparation

Mix thouroughly. Dilute first coat 10-15% with water if spraying.

### Application

Brush, spray, or roll on. Spray equipment tip should be .035-.091. Spread immediately, overlapping evenly to eliminate gaps & ridges. The finished surface should be smooth and level. If undercoat is visible, apply additional coats. **NOTICE:** Application should be postponed if wet or freezing weather is expected within 7 hours after application. **KEEP FROM FREEZING.**

### WHAT YOU NEED



**WATER** for diluting  
to spray  
& cleaning



### Clean-up

Clean tools using soap & water.



visit us <http://www.rerubber.com>

## Product Data/ Application Instructions

- Multipurpose Interior/ Exterior Rubber Caulking
- Paint-able
- Over 50% recycled rubber by volume
- Cold weather application (down to 45° F)
- Pour-able
- Quick-cure
- UV resistant
- Waterproof
- Low VOC
- Doesn't require special solvent for cleaning

reRubber has developed a singular unique caulk that provides superior protection to asphalt or concrete roads, driveways, roofs, parking lots, and virtually any cracked surface. When asphalt begins to deteriorate caused by hot & cold weather, rain, solar radiation, and vehicular traffic, the initial degradation becomes visible by surface cracking.

**Did you know?** Most caulks on the market that are designed to repair these cracks are composed of similar asphaltic compounds and are subject to the same environmental damages, such as rain, solar radiation, and hot & cold weather. This can cause failure to the surface making it subject to costly resurfacing.

**reRubber Rubberized Caulk** is a pourable material that fills cracks up to an inch wide and half an inch deep and cures to a solid flexible rubber. It is composed of over 70% recycled rubber and glass which give it impressive flexibility and tensile strength. It is extremely resistant to damage caused by heat, sunlight, water, snow and vehicular traffic.

## Typical Uses:

Filling cracks in roofs, driveways, parking lots, tennis, basketball, and volleyball courts.

## Adheres To:

Concrete, asphalt, composite shingles, 3M/tile, EPDM rubber, wood, metal, rolled roofing, & gravel, SPF systems, cold rolled steel, aluminum, galvanized, fiberglass, previously coated surfaces.

## Physical Data

Sheen	Flat
Color Rubberized Caulk	Light grey, capacity for pigmentation
Generic Type Rubberized Caulk	Water-based rubber filled acrylic elastomeric
Components	Single-component, no curing agent required
Solvent	Deionized or tap water
V.O.C.	Less than 0.9 per/ gallon
Solids by weight	60% ± 3%
Solids by volume	60% ± 3%
Weight per gallon	9 lbs per gallon
Recommended DFT	100 mils per coat
Practical coverage	Varies.
Boiling point	212°F (100°C)

Adhere to all application instructions, precautions, conditions, and limitations to obtain the maximum performance. When conditions are outside the application instructions, please contact a reRubber representative.

## Surface Preparation

Proper surface preparation is essential for successful results. Prior to coating the surface must be clean, dry, undamaged, and free of all contaminants such as salt deposits. Round off all rough welds and remove any weld spatter. For mild rust it is recommended that Hyperzinc® 1000 series be applied over to prep the rusted areas. Consult the specifications for Hyperzinc® 1000 for instructions on application.

**Steel** - Remove all loose rust, dirt, grease, or other contaminants that may affect proper adhesion. Once surface is clean coat any lightly rusted areas with Hyperzinc® 1000 to galvanize and encapsulate the rust. Allow sufficient time to dry before coating.

**Aluminum & Galvanize** - Remove oil, grease or soap film with a neutral detergent or emulsive cleaner. As long as surface is clean, dry, and free of loose rust, rough welds and weld spatter sandblasting is not required.

**Concrete/Masonry** - Surface must be cured (at least 28 days if freshly poured). Remove any contamination then clean bare concrete with a 10% muriatic acid solution to acid etch the surface. Rinse with water. Then use an alkali detergent (baking soda) to neutralize any remaining acid. Rinse thoroughly. Let dry at least 72 hours. To test to see if surface is completely dry before application it is recommended that a test area be prepared with a plastic bag taped on all sides. Let this area sit for 12 hours and remove the bag, if there is any moisture trapped underneath let cure for an additional 24 hours.

**Aged or Previously Coated Surfaces** - All surfaces must be cured, clean dry, free of contamination including loose or flaking paint, corrosion products, or chalky residue. reRubber Rubberized Caulk will adhere to most properly applied and tightly adhering coatings. However, a test patch is recommended to confirm compatibility.

**Repair** - Prepare damaged areas to original surface preparation specifications, feather edges of intact coating. Thoroughly remove dust or abrasive residue before touch-up.

## Application Equipment

**Airless Sprayer** – If spraying dilute up to 15%. Consult reRubber for compatible spraying equipment.

**Conventional Sprayer** - If spraying dilute up to 15%. Consult reRubber for compatible spraying equipment.

**Brush** - Natural bristle. Maintain a wet edge.

**Trowel or Caulking Blade** – for typical crack filling a trowel or caulking blade can be used.

## Application Procedure

reRubber Rubberized Caulk is a vulcanized rubber acrylic caulking. Being that it is water-based it does not require a hardener. It is meant to be easy to apply and maintain, knowing that it is still very important that the user adhere to the application instructions.

1. Mix thoroughly. If product is in a 5 gallon bucket, 50 gallon drum, or larger container, use a mixing drill.
2. If desired, dilute with 15% by volume with water, continuously mixing while adding. (Thinning may be desired to increase spreadability and to penetrate difficult substrates).
3. For filling cracks simply pour Caulk directly into the crack. Pour slowly to avoid overflowing.
4. If the crack is deeper than ½ inch use backing rod or sand to fill the deepest parts and apply in multiple coats allowing proper time for product to dry in between coats.
5. Normal recommended dry film thickness per application is 8-10 mils. However, if local areas receive greater thickness those areas will require more time to cure.
6. A wet film thickness of 6 mils (150 microns) normally provides 4 mils (100 microns) DFT.
7. After application process is complete clean all tools using soap and water.

## Application Data

Applied over substrates	Cold rolled steel, concrete, asphalt, aluminum, galvanized, previously coated surfaces
Methods of application	Trowel or caulking blade

### Environmental conditions

Temperature	°F	°C
ambient and surface	45 to 120	7 to 49

Surface temperature must remain above 32°F (0°C) for 7 hours after application.

### Drying time (per coat @ 8-10 mils) °F/°C

	90/32	70/21	50/10	32/0
touch	1	2	3	-
cure	24	24	48	-
<b>Topcoat or recoat time</b>				
minimum	2	8	12	-
<b>Topcoat or recoat time</b>				
(days)(maximum)	no max*	no max*	no max*	no max*

\*If surface is clean and any collected dust or debris is removed there should not be a maximum allotted time for recoat. Drying times are highly dependent on air and surface temperatures as well as ambient conditions and film thickness. Extreme weather can damage the coating, noticing apparent damage in the coating is crucial for estimating a maximum recoat time.

## Safety Precautions

Read the product Material Safety Data Sheet before use. Safety precautions must be strictly followed during handling, storage, and use. **CAUTION - Do not use this product without first taking all appropriate safety measures to prevent health hazards and/or injuries. These measure may include, but are not limited to, implementation of proper ventilation and wearing proper protective clothing and masks. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against any toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.**

This product is to be used by those knowledgeable about proper application methods. reRubber makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which reRubber is unaware and over which has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply to them, do not use this product.

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# RERUBBER RUBBERIZED PRIMER

Rubberized Acrylic Coating

## Product Data/ Application Instructions

- Multipurpose Interior/ Exterior Rubber Coating
- Paint-able
- Over 50% recycled rubber by volume
- Cold weather application (down to 45° F)
- Easy to apply/ maintain
- Quick-cure
- UV resistant
- Waterproof
- Low VOC

**ReRubber Rubberized Primer** is a highly durable, rubber coating developed to protect and insulate surfaces such as roofs, patios, siding, interior walls, and wooden, metal, or plastic furniture.

The breakthrough **ReRubber Rubberized Primer** contains recycled rubber and glass densely suspended in water-based, non-toxic, non- carcinogenic, acrylic paint. This cryogenically crushed recycled rubber creates a waterproof and incredibly durable surface. Unlike conventional paints ReRubber's Rubberized Primer fills gaps and coats evenly over joints, seams, fixtures and other weak areas. In addition, the flexibility of rubber makes **ReRubber Rubberized Primer** extremely resistant to swelling and shrinking due to seasonal temperature changes. By infusing recycled rubber into a non- toxic, non- carcinogenic acrylic paint we are able to create a highly durable and environmentally safe product that can replace otherwise harmful and cancer causing substances that are typically used for exterior use. Because it dries to a tough flexible rubber it can replace asphaltic compounds that are toxic and are damaged by UV rays and standing water. The recycled rubber gives it enhanced properties that creates an inner-tube-like membrane that can be applied like regular paint. And, not only that, it also is helping divert waste tires from landfills by utilizing the recycled rubber (powder).

## Adheres to:

Concrete, asphalt, composite shingles, 3M/tile, EPDM rubber, wood, metal, rolled roofing, & gravel, SPF systems, cold rolled steel, aluminum, galvanized, fiberglass, previously coated surfaces.

## Physical Data

Sheen	Flat
Color Rubberized Primer	Light grey, capacity for pigmentation
Generic Type Rubberized Primer	Water-based rubber filled acrylic elastomeric
Components	Single-component, no curing agent required
Solvent	Deionized or tap water
V.O.C.	Less than 0.75 per/ gallon
Solids by weight	60% ± 3%
Weight per gallon	9 lbs per gallon
Recommended DFT	1 coat    2 coats 6-8 mils 12-14 mils
Coats	2 coats as primer
Practical coverage	80-100 sq. ft. per/gallon
Boiling point	212°F (100°C)

## ASTM Testing

Tensile Strength (PSI)	701
% Elongation at max load	197.1
Salt spray after 500 hrs	No blistering
Permeability (D1653)	0.136
Accelerated Aging (2000 hr)	100.6%
Low Temp Flex (1000 hr)	No cracking



Adhere to all application instructions, precautions, conditions, and limitations to obtain the maximum performance. When conditions are outside the application instructions, please contact a reRubber representative.

## Surface Preparation

Proper surface preparation is essential for successful results. Prior to coating the surface must be clean, dry, undamaged, and free of all contaminants such as salt deposits. Round off all rough welds and remove any weld spatter. For mild rust it is recommended that Hyperzinc® 1000 series be applied over to prep the rusted areas. Consult the specifications for Hyperzinc® 1000 for instructions on application.

**Steel** - Remove all loose rust, dirt, grease, or other contaminants that may affect proper adhesion. Once surface is clean coat any lightly rusted areas with Hyperzinc® 1000 to galvanize and encapsulate the rust. Allow sufficient time to dry before coating.

**Aluminum & Galvanize** - Remove oil, grease or soap film with a neutral detergent or emulsive cleaner. As long as surface is clean, dry, and free of loose rust, rough welds and weld spatter sandblasting is not required.

**Concrete/Masonry** - Surface must be cured (at least 28 days if freshly poured). Remove any contamination then clean bare concrete with a 10% muriatic acid solution to acid etch the surface. Rinse with water. Then use an alkali detergent (baking soda) to neutralize any remaining acid. Rinse thoroughly. Let dry at least 72 hours. To test to see if surface is completely dry before application it is recommended that a test area be prepared with a plastic bag taped on all sides. Let this area sit for 12 hours and remove the bag, if there is any moisture trapped underneath let cure for an additional 24 hours.

**Aged or Previously Coated Surfaces** - All surfaces must be cured, clean dry, free of contamination including loose or flaking paint, corrosion products, or chalky residue. ReRubber Rubberized Primer will adhere to most properly applied and tightly adhering coatings. However, a test patch is recommended to confirm compatibility.

**Repair** - Prepare damaged areas to original surface preparation specifications, feather edges of intact coating. Thoroughly remove dust or abrasive residue before touch-up.

## Application Equipment

**Airless Sprayer** - Standard equipment with a spray tip of .035 - .091 should be used. When spraying you should dilute the first coat by adding 15% by volume water.

**Conventional Sprayer** - Standard equipment with a spray tip of .035 - .091 should be used. When spraying you should dilute the first coat by adding 15% by volume water.

**Brush** - Natural bristle. Maintain a wet edge.

**Roller** - Use soft textured roller. Level any air bubbles with bristle brush.

## Application Procedure

ReRubber Rubberized Primer is a vulcanized rubber acrylic coating. Being that it is water-based it does not require a hardener. It is meant to be easy to apply and maintain, knowing that it is still very important that the user adhere to the application instructions.

1. Flush any spray equipment with water before use.
2. Mix thoroughly. If product is in a 50 gallon drum or larger container use a mixing drill.
3. If desired or if spraying, dilute with 15% by volume with water, continuously mixing while adding. (Thinning may be desired to increase spreadability and to penetrate difficult substrates).
4. Apply a wet coat in even, parallel passes. Overlap each pass slightly to eliminate gaps and ridges. If required, cross-spray at right angles to avoid holidays, bare areas, and pinholes.
5. Normal recommended dry film thickness per coat is 8-10 mils. However, if local areas receive greater thickness those areas will require more time to cure.
6. A wet film thickness of 6 mils (150 microns) normally provides 4 mils (100 microns) DFT.
7. When using a brush or roller application method, additional coats may be required to achieve proper film thickness. Crisscross strokes between coats.
8. After application process is complete clean all tools using soap and water.

# Typical Properties

## Physical

Tensile Strength (ASTM D412) 701 psi  
20 in./min until failure  
jaw separation of 2.5 in

## Performance

Salt Spray Resistance (ASTM B117-09) 500 hrs exposure  
face blistering (ASTM B117) No blistering

Water Vapor Performance  
ASTM D1653, grns/hr. ft<sup>2</sup> 0.136  
500 hrs exposure

Steam cleanable Yes

# Application Data

Applied over substrates Cold rolled steel, concrete, asphalt, aluminum, galvanized, previously coated surfaces  
Methods of application Airless/ conventional sprayer, brush or roller

## Environmental conditions

Temperature °F °C  
ambient and surface 45 to 120 7 to 49

Surface temperature must remain above 32°F (0°C) for 7 hours prior to application.

## Drying time (per coat @ 8-10 mils) °F/°C

	90/32	70/21	50/10	32/0
touch	1	2	3	-
cure	24	24	48	-

## Topcoat or recoat time

minimum	2	8	12	-
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## Topcoat or recoat time

(days)(maximum)

no max*	no max*	no max*	no max*
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\*If surface is clean and any collected dust or debris is removed there should not be a maximum allotted time for recoat. Drying times are highly dependent on air and surface temperatures as well as ambient conditions and film thickness. Extreme weather can damage the coating, noticing apparent damage in the coating is crucial for estimating a maximum recoat time.

# Safety Precautions

Read the product Material Safety Data Sheet before use. Safety precautions must be strictly followed during handling, storage, and use. **CAUTION - Do not use this product without first taking all appropriate safety measures to prevent health hazards and/or injuries. These measures may include, but are not limited to, implementation of proper ventilation and wearing proper protective clothing and masks. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against any toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.**

This product is to be used by those knowledgeable about proper application methods. reRubber makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which reRubber is unaware and over which has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply to them, do not use this product.

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## Product Data/ Application Instructions

- Multipurpose Exterior Finish
- Highly reflective
- Contains hollow glass microspheres
- Scuff/dent proof
- Cold weather application (down to 45° F)
- Easy to apply/ maintain
- Quick-cure
- UV resistant
- Waterproof
- Low VOC

**ReRubber Cool Top Coat** is a highly reflective elastomeric paint, patented by Ronald Savin. Unlike other elastomeric paints, ReRubber Cool Top Coat is specially formulated with high quality glass microspheres. The infusion of microspheres nearly doubles the reflective value of white paint alone - as well as making the coating extremely durable, waterproof, and lighter than regular paints.

**ReRubber Cool Top Coat** has been shown to drastically decrease surface temperature, decreasing your carbon dioxide emissions and decreasing the cost of cooling your home by up to 50%. Lower surface temperature on a rooftop means lower temperature inside the building. During the summer months a building with the roof coated with ReRubber Cool Top Coat can easily be 10-15 degrees cooler on the inside. Which means less time and money spent cooling the inside of the building.

## Adheres to:

Concrete, asphalt, composite shingles, 3M/tile, EPDM rubber, wood, metal, rolled roofing, & gravel, SPF systems, cold rolled steel, aluminum, galvanize, fiberglass, previously coated surfaces.

## Physical Data

Sheen	Flat
Color Cool Top Coat	Bright white, capacity for pigmentation
Generic Type Cool Top Coat	Water-based glass filled acrylic elastomeric
Components	Single-component, no curing agent required
Solvent	Deionized or tap water
V.O.C.	Less than 0.9 per/ gallon
Solids by weight	50% ± 3%
Weight per gallon	7.8 lbs per gallon
Recommended DFT	1 coat      2 coats 4-6 mils    8-10 mils
Coats	2 coats for best reflectivity
Practical coverage	100-120 sq. ft. per/gallon
Boiling point	212°F (100°C)

## ASTM Testing

Tensile Strength (PSI)	644
% Elongation at max load	68.8
Salt spray after 500 hrs	No blistering
Permeability (D1653)	0.147
Reflectance ASTM C1549	84.5%
Emittance ASTM C1371	0.86
SRI ASTM E1980	107
Accelerated Aging (2000 hr)	110%
Low Temp Flex (1000 hr)	No cracking

Adhere to all application instructions, precautions, conditions, and limitations to obtain the maximum performance. When conditions are outside the application instructions, please contact a reRubber representative.

## Surface Preparation

Proper surface preparation is essential for successful results. Prior to coating the surface must be clean, dry, undamaged, and free of all contaminants such as salt deposits. Round off all rough welds and remove any weld spatter. For mild rust it is recommended that Hyperzinc® 1000 series be applied over to prep the rusted areas. Consult the specifications for Hyperzinc® 1000 for instructions on application. **BIOLOGICAL**

**CONTROL:** *If there are any areas of algae, mildew or fungus which show stains treat areas with a chlorinated water solution, followed by a clean rinse.*

**Steel** - Remove all loose rust, dirt, grease, or other contaminants that may affect proper adhesion. Once surface is clean coat any lightly rusted areas with Hyperzinc® 1000 to galvanize and encapsulate the rust. Allow sufficient time to dry before coating.

**Aluminum & Galvanize** - Remove oil, grease or soap film with a neutral detergent or emulsive cleaner. As long as surface is clean, dry, and free of loose rust, rough welds and weld spatter sandblasting is not required.

**Concrete/Masonry** - Surface must be cured (at least 28 days if freshly poured). Remove any contamination then clean bare concrete with a 10% muriatic acid solution to acid etch the surface. Rinse with water. Then use an alkali detergent (baking soda) to neutralize any remaining acid. Rinse thoroughly. Let dry at least 72 hours. To test to see if surface is completely dry before application it is recommended that a test area be prepared with a plastic bag taped on all sides. Let this area sit for 12 hours and remove the bag, if there is any moisture trapped underneath let cure for an additional 24 hours.

**Aged or Previously Coated Surfaces** - All surfaces must be cured, clean dry, free of contamination including loose or flaking paint, corrosion products, or chalky residue. ReRubber Cool Top Coat will adhere to most properly applied and tightly adhering coatings. However, a test patch is recommended to confirm compatibility.

**Repair** - Prepare damaged areas to original surface preparation specifications, feather edges of intact coating. Thoroughly remove dust or abrasive residue before touch-up.

## Application Equipment

**Airless Sprayer** - Standard equipment with a spray tip of .035 - .091 should be used. When spraying onto a bare substrate you

should dilute the first coat by adding 15% by volume water and a very thin mist coat should be applied for optimum adhesion. If using in conjunction with reRubber Rubberized Primer, diluting is not necessary.

**Conventional Sprayer** - Standard equipment with a spray tip of .035 - .091 should be used. When spraying onto a bare substrate you should dilute the first coat by adding up to 15% by volume water and a very thin mist coat should be applied for optimum adhesion. If using in conjunction with reRubber Rubberized Primer, diluting is not necessary.

**Brush** - Natural bristle. Maintain a wet edge.

**Roller** - Use soft textured roller. Level any air bubbles with bristle brush.

## Application Procedure

ReRubber Cool Top Coat is a water-based acrylic coating. Being that it is water-based it does not require a hardener. It is meant to be easy to apply and maintain, knowing that, it is still very important that the user adhere to the application instructions.

1. Flush any spray equipment with water before use.
2. Mix thoroughly. If product is in a 50 gallon drum or larger container use a mixing drill.
3. If spraying on bare substrate, dilute up to 15% by volume with water, continuously mixing while adding. (first coat should be applied in a mist coat to penetrate difficult substrates).
4. Apply a wet coat in even, parallel passes. Overlap each pass slightly to eliminate gaps and ridges. If required, cross-spray at right angles to avoid holidays, bare areas, and pinholes.
5. Normal recommended dry film thickness per coat is 4-6 mils. However, if local areas receive greater thickness those areas will require more time to cure.
6. A wet film thickness of 6 mils (150 microns) normally provides 4 mils (100 microns) DFT.
7. When using a brush or roller application method, additional coats may be required to achieve proper film thickness. Crisscross strokes between coats.
8. After application process is complete clean all tools using soap and water.

# Typical Properties

## Physical

Tensile Strength (ASTM D412) 644 psi  
20 in./min until failure  
jaw separation of 2.5 in

## Performance

Salt Spray Resistance (ASTM B117-09)  
500 hrs exposure  
face blistering (ASTM B117) No blistering

Water Vapor Performance  
ASTM D1653, grns/hr. ft<sup>2</sup> 0.147  
500 hrs exposure

Steam cleanable Yes

# Application Data

Applied over substrates Cold rolled steel, concrete, asphalt, aluminum, galvanize, previously coated surfaces  
Methods of application Airless/ conventional sprayer, brush or roller

## Environmental conditions

Temperature °F °C  
ambient and surface 45 to 120 7 to 49

Surface temperature must remain above 32°F (0°C) for 7 hours prior to application.

## Drying time (per coat @ 8-10 mils) °F/°C

	90/32	70/21	50/10	32/0
touch	1	2	3	-
cure	24	24	48	-

## Topcoat or recoat time

minimum 2 8 12 -

## Topcoat or recoat time

(days)(maximum)

no no no no  
max\* max\* max\* max\*

\*If surface is clean and any collected dust or debris is removed there should not be a maximum allotted time for recoat. Drying times are highly dependent on air and surface temperatures as well as ambient conditions and film thickness. Extreme weather can damage the coating, noticing apparent damage in the coating is crucial for estimating a maximum recoat time.

# Safety Precautions

Read the product Material Safety Data Sheet before use. Safety precautions must be strictly followed during handling, storage, and use. **CAUTION - Do not use this product without first taking all appropriate safety measures to prevent health hazards and/or injuries. These measures may include, but are not limited to, implementation of proper ventilation and wearing proper protective clothing and masks. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against any toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.**

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# Material Safety Data Sheet

Prepared 01/31/2012

## HAZARDS IDENTIFICATION

Primary Route(s) of Exposure: Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure:

Inhalation: Irritation of respiratory tract. Prolonged inhalation may lead to mucus membrane irritation, dizziness and / or light headiness, headache, nausea, coughing, central nervous system depression.

Skin Contact: Irritation of skin.

Eye Contact: Irritation of eyes. Prolonged or repeated can cause conjunctivitis, tearing of eyes, and redness of eyes.

Ingestion: May cause fatigue, drowsiness, dizziness and / or light headiness.

Medical Conditions Aggravated by Exposure: Eye, skin, respiratory disorders.

## FIRST-AID MEASURES

Inhalation: Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

Skin Contact: Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/ baby oil on to skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use. If irritation occurs, consult a physician.

Eye Contact: Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion: Do not give liquid if unconscious or drowsy. Give no more than 2 glasses of water. Obtain medical attention.

## ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Comply with all applicable health and environmental regulations. Ventilate area. Clean up with towels, boom, or other absorbents. Large spills – Use a respirator if not in a ventilated area. Shut-off leak. Surround and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills – use absorbent to pick up residue and dispose of properly. Clean up with soap and water

## HANDLING AND STORAGE

Handling and Storage: Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Keep containers tightly sealed when not in use. Store in temperatures between 40°F - 100°F. DO NOT FREEZE.

## TOXICOLOGICAL INFORMATION:

Routes of Entry: Irritation caused through all routes of Entry. Hazard through repeated or prolonged inhalation and ingestion.

Toxicity to Animals: Not established.

Ecotoxicity: This product has not been tested to determine environmental effects.

CARCINOGENIC EFFECTS: None of the ingredients in this product are listed with OSHA, IARC, or NTP as carcinogenic.

## DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with all applicable regulations. Avoid discharge to natural waters. Under EPA-RCRA (40 CFR 261). This material is not a hazardous waste.

## REGULATORY INFORMATION:

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

Toxic Substances Control Act: This product is in compliance with the U.S. Toxic Substances Control Act (TSCA) inventory requirements.

## FOR EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity Hazard: 0

Personal Protection: B

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, as we assume no liability resulting from its misuse. Users should take their own investigations to determine the suitability of the information for their own particular purposes. In no event shall reRubber LLC be liable for any claims, losses, or damages, howsoever arising, even if reRubber LLC has been advised of the possibility of such damages.*



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reRubber Infrastructural Coating System



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# reRubber Infrastructural Coating System

## MATERIAL SAFETY DATA SHEET

### Physical Data

(ANSI Sections 1,9,14)

<b>Manufacturer's Name:</b> 34901 Spyder Circle Palm Desert, CA 92211	<b>For Information: CHEMTREC 1-800-424-9300</b> General Information: 760-324-7900 Description: 100% acrylic exterior finish	<b>Wt./Gal.</b> 8.5	<b>VOC Gr./ltr.</b> + 100	<b>% Volatile By Volume</b> 65%	<b>Flash Point</b> none	<b>Boiling Range</b> 212-400	<b>HMIS</b> *310	<b>Dot proper shipping name</b> paint**protect from freezing**
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### Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS.No.	3028-0100	3028-0110	3028-0120	3028-0300	3028-0400	
ethanol, 2-(2-methoxyethoxy)-	diethylene glycol monomethyl ether	111-77-3	1-5	1-5	1-5	1-5	1-5	
ethanol, 2-(2-butoxyethoxy)-	diethylene glycol monobutyl ether	112-34-5	1-5	1-5	1-5	1-5	1-5	
black iron oxide	black iron oxide	1317-61-9	90-98	90-98	90-98	90-98	90-98	
propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	texanol	25265-77-4	1-5	1-5	1-5	1-5	1-5	
2-propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	acrylic polymer	25852-37-3	10-20	10-20	10-20	10-20	10-20	
water	water	7732-18-5	30-40	40-50	40-50	40-50	50-60	
oxirane, methyl-, polymer with oxirane	surfactant	9003-11-6					1-5	
rheological additive	rheological additive	Sup. Conf.					1-5	
acrylic latex	acrylic latex	Sup. Conf.	10-20	10-20	10-20	10-20	10-20	
Soda Lime Borosilicate glass	glass microspheres	65997-17-3						
PTFE	Teflon	9002-84-0						
Recycled Rubber	recycled rubber		NR:9003-31-O/SBR: 9003-55-8					

### Chemical Hazard Data

(ANSI Sections 2,8,11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. STD	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S									
diethylene glycol monomethyl ether	111-77-3	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	n	n
diethylene glycol monobutyl ether	112-34-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	n	n
black iron oxide	1317-61-9	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
texanol	25265-77-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
surfactant	9003-11-6	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
rheological additive	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
acrylic latex	Sup. Conf.	not est.	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
glass microspheres	65997-17-3	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	y	n	n	n	n
Teflon	9002-84-0	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
Recycled Rubber	NR:9003-31-O/SBR:900355-8	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

#### Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.

n/a=not applicable  
 not est.=not established  
 CC=CERCLA Chemical

ppm=parts per million  
 mg/m3=milligrams per cubic meter  
 Sup Conf.=Supplier Confidential

S2=Sara Section 302 EHS  
 S3=Sara Section 313 Chemical  
 S.R.Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant  
 P=Pollutant, S=Severe Pollutant  
 Carcinogenicity Listed By:  
 N=NTP, I=IARC, O=OSHA, y=yes, n=no