reRUBBER RUBBERIZED PRIMER

Description

reRubber Rubberized Primer is a water-based, low VOC's, highly durable rubber coating. It is formulated to protect and insulate surfaces such as roofs, patios, siding, interior walls, wood and metal. This breakthrough rubberized primer contains recycled tire rubber, densely suspended in water-based, non-toxic, non-carcinogenic, acrylic emulsion. The coating creates a waterproof and incredibly durable surface. Unlike conventional coatings, reRubber's Rubberized Primer fills gaps and coats evenly over joints, seams, fixtures and other weak areas. In addition, the flexibility of the rubber makes the Primer extremely resistant to swelling and shrinking due to seasonal temperature changes. By infusing recycled rubber into a non-toxic, non-carcinogenic acrylic coating, 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 material, the rubber can replace asphaltic compounds that are toxic and are damaged by UV rays. The recycled rubber gives it enhanced properties that create 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).

Features
- Multipurpose Interior/ Exterior Rubber Coating
- Paintable
- Breathable
- Over 50% recycled rubber by volume
- Cold weather application (down to 45° F)
- Easy to apply/ maintain
- Quick-cure
- UV resistant
- Water resistant
- Low VOC
- Resistant to salt spray, fungus and mildew
- Resistant to motor oil

Physical Data
- Sheen: flat
- Color: light gray, black
- Generic type: water-based rubber filled acrylic elastomeric
- Components: single component, no curing agent required
- Solvent: de-ionized or tap water
- VOC: 48 grams/liter
- Solids by weight: 60% ± 3%
- Weight per gallon: 9 lbs
- Boiling point: 212°F (100°C)

Composition
100% acrylic emulsion coating

Approximate Coverage Rate
80-100 square feet per gallon *or* 7.5-9.5 square meter per gallon

NOTE: COVERAGE RATES ARE THEORETICAL ON PROPERLY PRIMED SUBSTRATES

IMPORTANT: WARRANTY APPLICATIONS REQUIRE A MINIMUM 10 MIL (0.25 MM) DRRY FILM THICKNESS

Where to Use
- Maintenance
- Restoration
- Waterproofing
- Rust prevention
- Vertical / Horizontal
- Above / Below grade
- Exterior / Interior

Substrate
- Concrete
- Asphalt
- Brick
- Concrete Masonry Units
- Exterior Insulation Finishing Systems
- Wood
- Metal
- Rolled roofing & gravel
- Aluminum
- Fiberglass
- Previously coated surfaces

Texture
Medium (brush or roll)
Smooth (spray, tip size 0.035 – 0.091)

Packaging
1 gallon pails
5 gallon pails
55 gallon drums
300 gallon totes

Shelf Life
20 months when properly stored

Storage
Store in unopened containers in a cool, dry area out of direct sunlight. Do not allow material to freeze in the container. Do not store below 35°F (2 °C)

Clean Up
Use warm soapy water

Risks
May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

First Aid
In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION!

Test Data

Property	Test Method	Test Result
Adhesion	ASTM C 297	Metal: 166 PSI (cohesive failure within the coating) Wood: 146 PSI (cohesive failure within the substrate) Concrete: 110 PSI (cohesive failure within the substrate)
Co-efficient of friction	ASTM C 1028	Meet and exceeds ADA requirements
Abrasion resistance	ASTM D 968	Metal, Wood and Concrete: all pass

Accelerated weathering test	ASTM D 2565	No crazing, cracking, spalling, softening, discoloration or other surface deteriorations were observed after 1,000 hours of accelerated weathering.
Water vapor transmission	ASTM E 96	7.87 perms
Tensile strength	ASTM D 412	239 psi
Elongation at break	ASTM D 412	83
Air transmission	ASTM E 2178	0.01432 at 75 Pa
Cold temperature flexibility	ASTM D 522	Passes
Salt spray resistance	ASTM B117-09	No blistering

For medical emergencies only, call ChemTrec (800-424-9300)

How to Apply 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® be applied to the rusted areas prior to application of the coating. Consult the specifications for Hyperzinc® for instructions on application.

General Preparation:

- Surface should be clean and sound, free of debris. Concrete surfaces should have a minimum 28 day cure. Surface should be free of all bond-inhibiting contaminates and in good condition.
- High-pressure water blast the surface to medium grit sandpaper texture. (ICRI guide 03732 SP3)
- Repair any holes, cracks or damaged areas before applying rubber coating. Any protruding concrete must be removed.
- Some stains may require chemical removal. Be sure to neutralize the compounds with clean water.
- Delaminated areas must be removed, and the edges should be sanded to smooth rough areas.
- Check adhesion of old paint using ASTM D 3359, measure adhesion by Tape Method A.

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® to galvanize and

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 10% to 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 10% to 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 55 gallon drum or larger container, use a mixing drill.

For Best Performance

- Apply a 4’ by 4’ (1.2 by 1.2 m) test area to verify acceptable color and adhesion before proceeding with any project.
- Keep from freezing
- Do not apply when the surface or ambient temperatures are less than 45°F (7°C) or are expected to go below 45°F (7°C) for 12 hours following application
- Do not apply coatings in rain, snow or fog
- Hot or dry conditions limit working time and accelerated drying; cool or damp conditions extend working time and retard drying and may require added measures for protection against wind, dust, dirt, rain and freezing.
- Minimum dry time between coats is 1 hour at 90°F (32°C), 2 hours at 70°F (21°C), 4 hours at 50°F (10°C) and 50% or less relative humidity.
- Overaggressive back-rolling can create pinholes.
- Proper application is the responsibility of the user. Field visit by our personnel are for the purpose of making technical recommendations only, and not for supervising or providing quality control on the jobsite.

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*

encapsulate the rust. Allow sufficient time to dry before coating.

Aluminum & Galvanized Steel - Remove oil, grease or soap film with a neutral detergent or emulsive cleaner. As long as the 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 the 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.

3. If desired or if spraying, dilute with 10% - 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 bare areas and pinholes.

5. Normal recommended dry film thickness per coat is 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 warm soapy water.

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 with them, do not use this product.

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