



Rub-R-Wall® Commercial Grade (CG) Waterproofing System

We can't stop the rain, but we can create a barrier.

Rubber Polymer Company

5760 County Line Road
Cumming, GA 30040
Phone (770) 410-1545
www.rpcinfo.com

Description

BASIC USE AND APPLICATIONS

Rub-R-Wall® Commercial Grade (CG) Waterproofing is a single component, spray-applied, monolithic membrane. It is durable, tough, and the most cost-effective protection of any high-performance waterproof coating. It is designed for use on masonry, concrete or parged block walls. This 100% rubber all-polymer membrane can be spray-applied to both vertical and horizontal substrates including foundation walls, elevator shafts, slabs, planters, etc.

Rub-R-Wall® CG Waterproofing is designed for new construction only. It is not intended to be used for interior application. After application and curing, it requires protection from backfill and is not intended for exposure to weather or traffic.

Rub-R-Wall® Benefits

- Seamless watertight barrier.
- Vertical or horizontal application.
- Covers complex contours.
- Applied at ambient temperature.
- Bridges minor joints and cracks in walls or decks.
- Tenacious bond.
- Low temperature flexibility.
- Does not absorb water.
- Resistant to bacteria, algae, fungus, chemicals, solvents, and degradation in soil.
- Estimated life expectancy exceeds 100 years.



ACCESSORIES

- Primer: Rub-R-Wall® SA Primer, single-component, elastomeric compound.
- Substrate Repair Materials: Rub-R-Wall® Mastic, heavy-bodied rubber mastic.
- Reinforcing Strips: Rub-R-Wall® SA Sheet Membrane, self-adhering SBS-modified-bitumen sheet membrane, 40 mil thickness.

LIMITATIONS

In its cured state on the wall, Rub-R-Wall® CG is solvent-free, non-toxic and non-carcinogenic. However, in its liquid form contains flammable and hazardous solvents. It must be applied by Certified Applicators. Training is available.

Do not apply Rub-R-Wall® CG when the ambient temperature is below 15 degrees F.

Storage and Handling

Handle and store products according to manufacturer's written recommendations and Local, State, Federal, Fire, D.O.T and environmental codes. For detailed information refer to Material Safety Data Sheet (MSDS) and safety and application information in Rubber Polymer Company's "Operation, Safety and Procedure Guideline Manual."

Application

Concrete walls may be sprayed 24-48 hours after the form stripping process is complete provided excess water or moisture is not present. Footers must be dry, clean and free of dirt or any material that would prevent full adhesion. Concrete walls must be free of voids and honeycombs. All form ties must be removed inside and outside below the concrete surface. Concrete walls must be smooth and free of projections and other foreign material such as organic matter, asphalt, or other frozen material. On parged concrete block walls the cores must be filled and dry prior to application.

Application should be made in multiple, uniform passes to obtain a wet membrane thickness of 60-80 mils as determined by a standard mil gauge. A cured thickness of 30-40 mils will result. Spraying a primer or tack coat first will help eliminate sags and runs. Spray the top of the footer 3 inches away from the wall, and when finished, double check for thin or missed areas. Rub-R-Wall® CG membrane should be firm after 15-20 minutes, and ready to receive a protection/insulation course. Allow a minimum of 24 hours after coating before backfilling, and a maximum of 30 days before backfilling.

Availability

Since 1992, Rubber Polymer Company has delivered the highest quality products for the waterproofing industry for thousands of building products all over the United States and Canada. Contact RPC for availability near you.

Technical Services

Detailed information including product literature, test reports, installation instructions, and special applications is available. Please speak to a technical representative.

Available Resources

Section guide specification for products in CSI 3-part format is available from Rubber Polymer Company.

Sustainable Design Contributions

Developed to be environmentally friendly by providing asphalt-free formulas that are environmentally responsible.

Referenced Standards

- ASTM C836/C836M - Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course.
- ASTM D95 - Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation.
- ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.
- ASTM D903 - Standard Test Method for Peel or Stripping Strength of Adhesive Bonds.

- ASTM D2020 - Standard Test Method for Mildew (Fungus) Resistance of Paper and Paperboard.
- ASTM D4299-83 - Test Method for Effect of Bacterial Contamination on Performance of Adhesive Preparations and Adhesives Films.
- ASTM D5385/D5385M - Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials.
- ASTM E154/E154M - Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover.
- ASTM G29 - 75 -Standard Practice for Determining Algal Resistance of Plastic Films.

| Rub-R-Wall® CG Physical Properties | | |
|---|--|---|
| Hydrostatic Pressure Resistance | ASTM D5385/D5385M | > 138 ft. of water |
| Elongation | ASTM D412 (Die C) | > 1,200% |
| Low Temp Flexibility | Bend around 0.5-inch mandrel | Flexible to -20 deg. F |
| Abrasion Resistance | 700 psi on 0.06-by-0.06-inch point at 1 inch per sec | < 0.10% membrane loss |
| Asphalt Content | | 0.0 percent |
| Block Peel Adhesion | ASTM D903 (Block) | 8.03 lbs./inch |
| Crack Bridging | ASTM C836/C836M | > 10 cycles to 1/8 inch at -15 deg F |
| Water Vapor Permeance | ASTM E96/E96M (Water method) | 0.093 perms |
| Liquid Water Absorption | ASTM D95 | < 0.5% weight |
| Resistance to Bacterial | ASTM D4299-83 (modified) | No attack |
| Resistance to Degradation in Soil | ASTM E154/E154M (soil preparation) | Excellent |
| Resistance to Algae | ASTM G29-75 (modified) | No attack |
| Resistance to Fungus | ASTM D2020 (modified) | No attack |
| Resistance to Chemical Attack | Visual | Unaffected by chemicals in concentrations typ. found in soils |
| Solvent Resistance | Visual | Exceeds performance of modified asphalts |
| Life Expectancy | Arrhenius Projection Theory | Exceeds 100 years |

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