



GCP VYCOR

Deck Protector®

Good news for the environment is bad news for decks.
New wood preservatives cause accelerated corrosion.



Galvanized joist hanger attached to ACQ wood, 7 months; wet conditions.

The Corrosion Problem

- CCA treated wood, used for almost 70 years, is no longer available for residential usage due to its negative environmental and health effects.
- Environmentally safe but significantly more corrosive preservatives (ACQ, CA-B, ACZA) replaced CCA as of January 1, 2004.
- New wood treatments are approximately 2.5 – 4 times more corrosive to galvanized metal components compared to the historically used CCA.
- Corrosion may become visible in a short period of time – weeks or months rather than years. Wet conditions accelerate the corrosion rate.
- Heavier galvanized coatings (G185 or batch hot-dip galvanized) extend the life of the connectors and fasteners, however the corrosion mechanism and rate do not change. The use of additional protection is highly recommended.

Wood Preservative Abbreviation Key

CCA	Chromated Copper Arsenate
ACQ	Alkaline Copper Quaternary
CA-B	Copper Azole
ACZA	Ammoniacal Copper Zinc Arsenate

What The Pros Say

"I was very concerned about the corrosion problem with the new ACQ decks. I tried GCP Vycor Deck Protector and I will be using it on all ACQ decks that I build. It takes almost no time to install and costs a fraction of the price of the deck. Grace Vycor Deck Protector ensures that I sleep well at night, confident that my customers have a deck that will last them a lifetime. There are no other products on the market that can solve the corrosion problem as fast and easy as GCP Vycor Deck Protector."

– **Douglass Webb** (Douglass Design and Construction, Inc.), a residential remodeling contractor with 18 years of experience.



The GCP Vycor Deck Protector® Solution

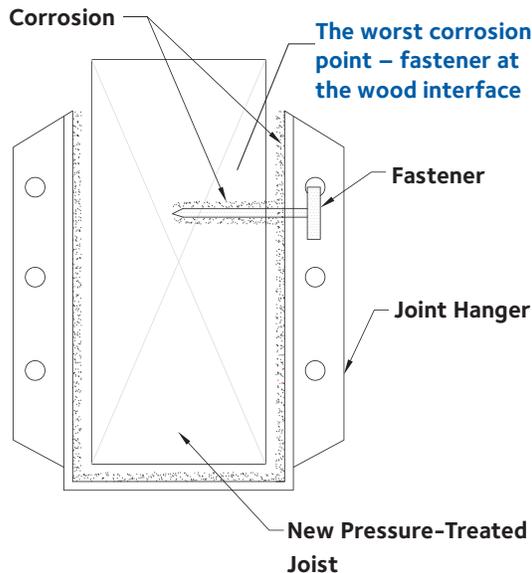
- The first product uniquely formulated and tested to help provide corrosion protection to galvanized metal connectors.
- Helps decrease the corrosion rates of galvanized connectors to the historically acceptable levels seen with CCA.
- Helps reduce the corrosion rates of the galvanized nails attaching the connectors.
- The only barrier solution evaluated by Simpson Strong-Tie® – the leader in the metal connectors industry.

Evaluated by



TM

"GCP Vycor Deck Protector is the only barrier membrane solution evaluated by Simpson Strong-Tie. It offers additional corrosion protection when applied between pressure-treated wood and galvanized metal connectors."



Galvanized joist hanger attached to ACQ wood, 7 months; wet conditions.

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- New wood treatments are approximately 2.5 – 4 times more corrosive to galvanized metal components compared to the historically used CCA.
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How Does GCP Vycor Deck Protector Work?

GCP Vycor Deck Protector is the first uniquely formulated solution to help reduce corrosion of galvanized metal connectors. It is installed between the connector and the pressure-treated wood and acts as a barrier layer to break the electric circuit and thus helps reduce corrosion.

GCP Vycor Deck Protector also helps reduce the corrosion rate of galvanized nails that attach the connectors to the treated wood, by separating them from the corrosion influence of the large connector (i.e. joist hanger). The corrosion rates of these fasteners may not be at the level seen with CCA wood.

Use hot-dip galvanized (HDG) fasteners per ASTM A153 when attaching galvanized metal connectors. HDG fasteners optimize structural and corrosion performance in these applications.

Use fasteners per the manufacturer's recommendation when attaching the surface decking boards to the supporting joists.

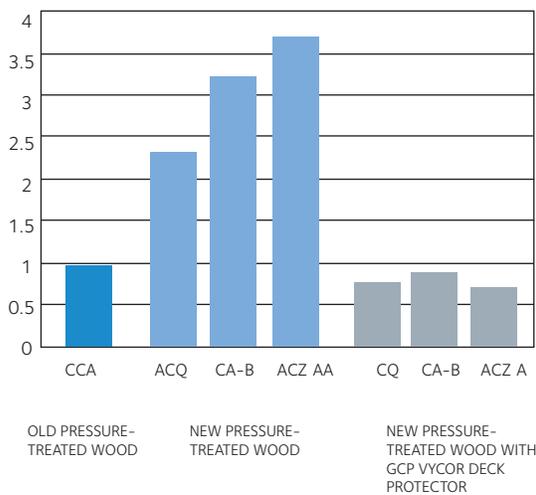


Galvanized joist hanger attached to ACQ wood, 7 months; wet conditions.

Corrosion can become visible in a very short period of time – weeks or months, rather than years.

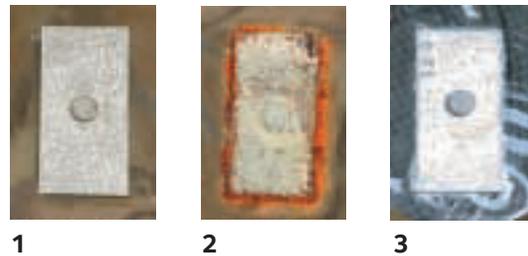
GCP Vycor Deck Protector reduces the corrosion rates of galvanized connectors in contact with the new pressure-treated wood back to the historical level of CCA wood.

Relative Corrosiveness of Wood Preservatives*



* Testing conducted by Grace and Simpson Strong-Tie; results after 2 months accelerated corrosion testing.

Galvanized metal after 1 month, continuous wet conditions.



- 1. Historically used CCA wood**, No sign of corrosion
- 2. Advanced corrosion**, New pressure-treated wood
- 3. No sign of corrosion**, New pressure-treated wood with GCP Vycor Deck Protector

Differentiate yourself from your competitors. Use GCP Vycor Deck Protector to

- Improves durability of deck structures
- Enhances deck aesthetics and longevity
- Minimizes unnecessary repairs and costly call-backs
- Provides inexpensive protection (approximately \$50 material cost for a 400 sq. ft. deck)
- Provides fast and easy to use solution



How to install GCP Vycor Deck Protector



Step 1:

Apply GCP Vycor Deck Protector onto face of ledger board. Roll firmly into place.



Step 2:

Install joist hangers on ledger board and rim joist.



Step 3:

Wrap ends of joists with GCP Vycor Deck Protector.



Step 4:

Install the wrapped joists into hangers and fasten accordingly.

Note:

Use hot-dip galvanized (HDG) fasteners per ASTM A153 when attaching galvanized metal connectors.

Use fasteners per the manufacturer's recommendation when attaching the surface decking boards to the supporting joists.

For more installation details, contact your local sales representative and/or visit our web site.

Features of GCP Vycor Deck Protector

- Unique adhesive and membrane composition provides corrosion protection
- Prevents water infiltration at deck fasteners
- Skid resistant coating for easier foot traffic during installation
- Compatible with all decking materials
- Handy roll sizes
- Measurement markings on the surface for ease of application
- Provides fast and easy to use solution

Precaution and Limitation Guidelines

Use hot-dip galvanized (HDG) fasteners per ASTM A153 when attaching galvanized metal connectors. Use fasteners per the manufacturer's recommendation when attaching the surface decking boards to the supporting joists.

Use for all applications where the wood is subject to wet conditions.

Apply in fair weather when the air, surface and membrane are at temperatures of -4°C (25°F) or higher. Install onto a clean surface. Remove dust and dirt.

Surfaces shall have no damaged or unsupported areas. Joints between wood members should not exceed $\frac{1}{2}$ inch.

Using the 6 inch and 12 inch measurement markings, cut the membrane to the desired length. Install the membrane such that all laps shed water – the top membrane layer should go over the bottom layer. Stapling of the membrane is optional and can promote adhesion.

To ensure corrosion protection, GCP Vycor Deck Protector should completely separate the pressure-treated wood from the galvanized metal connector. Be careful not to damage the membrane during application. If torn or damaged, the corrosion protection performance of the system could be negatively affected.

Due to the slight asphaltic odor, do not leave the membrane exposed to interior living spaces. Applications within wall/ceiling cavities may be acceptable, if the membrane is trimmed around the connector.

GCP Vycor Deck Protector may be incompatible with certain solvents/caulking and high concentration of resin and pitch. See our website for more information.

Do not use in hot desert areas of southwestern United States.

Typical deck applications (such as on ledger boards/rim joists or underneath joist hangers) may expose GCP Vycor Deck Protector only to indirect sunlight (with limited intensity) and only for short periods of the day, if at all. Such UV exposure is acceptable. The product should not be left permanently exposed to direct sunlight. It is recommended that GCP Vycor Deck Protector be covered within 30 days.

However, exposures of up to 60 days may be acceptable when the membrane is used for corrosion protection. It is recommended that the product be trimmed around the connector to limit the direct UV exposure (for instance, at post bases).

Exercise caution and follow the appropriate OSHA fall protection guidelines when walking on membrane. Do not install membrane on roof.

Insects cannot ingest, live or breathe in the membrane.

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We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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