



# Perma-Chink Systems News 2014

Fall Issue

The Wood Home Care and Maintenance Authority

**From the Creative Minds of Perma-Chink Systems Lab Introducing New Products:**

**Cedar Wash™** - specialized wood cleaner designed for extractive rich woods like Western Red Cedar and Redwood. Not all cleaners are created equal, *see page 5* for details.

**Deck Defense™** - new technology for deck finish with environmentally responsible water based delivery system, *see page 3*.

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[www.permachink.com](http://www.permachink.com)



## Lower Your Energy Consumption and Get Your Home Ready for Winter

The most important task of fall maintenance is to ensure that your log home is properly sealed and ready for the cold winter months ahead. Properly sealed joints and gaps go a long way in preventing cold drafts during the winter. In these days of rapidly rising fuel prices it is important to keep cold air from entering your home. Additionally, it is environmentally friendly to avoid excess energy consumption. The good news is that we have products that are specifically designed for the purpose of sealing your home to lower your energy consumption.

Although Perma-Chink Systems is rapidly becoming recognized as a premium stain manufacturer, we originally built our reputation on our line of chinking and sealants. So what are we talking about when we refer to sealants? As they relate to log homes, sealants are materials used to seal gaps, cracks, nooks, spaces, seams, joints and other areas where air or water can penetrate into the home. Most people call these materials “caulk” but we refer to them as “sealants” to differentiate our high quality products from the less effective caulks that can be bought at any hardware store. Plus several of our sealants do not fit the conception most people have of a typical caulk.

Getting back to basics, sealants are plastic like compounds that typically come in tubes or pails. Once applied and allowed to dry and cure they may stay soft or turn hard depending on the type of product used. If you look around you’ll see all kinds of sealants in use. The windshield

*(Continued on page 2)*

## Lower Your Energy Consumption and Get Your Home Ready for Winter

(Continued from page 1)

of your car is held in place with sealants to prevent water from getting inside. There's a bead of sealant around your bathtub to keep water from seeping under the tiles. All of your windows have sealants around the glass to prevent cold air and rain from getting into your home. If you look close, you'll see there is a wide range of physical difference in them. The best sealants are those that stay flexible in a wide range of temperature, sun light, and other environmental conditions.

### So why do people use Perma-Chink Systems sealants?

First and foremost, to keep water, air and bugs out of places where they don't belong; second, for their attractive appearance; and third, for their proven reputation of lasting longer and performing better than any other products on the market. It should not come as a surprise that log homes are a bit difficult to seal up. When you stack logs on top of one another to make a wall, there are usually gaps that have to be sealed to prevent air and water from getting inside. That's what *Energy Seal*® is designed to do. *Energy Seal* is a textured acrylic polymer sealant that provides a long-lasting and resilient seal for any style of log home. Since logs constantly twist, turn, swell, expand and shrink with changing weather conditions, gaps may appear between logs or between the logs and window and door frames or other areas of the home. These gaps retain moisture and allow the seepage of air and water into the home. *Energy Seal* eliminates these gaps by forming a flexible air and water tight barrier over them.

There are two reasons why *Energy Seal* is textured. First, it allows the surface of cured *Energy Seal* to achieve a consistent "flat" look. It does not have that shiny look common to most types of caulk. This allows *Energy Seal* to blend in with the surrounding stained wood. Second, the texture allows *Energy Seal* to better accept a stain so that it can virtually disappear on a wall.

**Here is a tip:** if you plan to stain over *Energy Seal* use a color that's just a bit lighter than the stain you plan to use. It's much easier to cover light colored *Energy Seal* with a darker color stain than it is to cover dark colored *Energy Seal* with a light colored stain.



*Perma-Chink and Energy Seal sealants applied around window frames, door frames, corners to keep the house weather tight.*

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***Energy Seal*® and *Perma-Chink*® may also qualify you for energy tax credits. Check with your local tax advisors.**



## Applicator Field Report: Deck Defense™

### ■ New Exterior Deck Finish

In our experience as professional applicators, deck finishing has often proven to be the Achilles' heel of the log home refinishing process. According to Greek mythology, Achilles' mother dipped him into the River Styx to protect his body from harm. However, she kept hold of his heel, meaning that the water did not touch this part of his body which was his downfall when struck by a poisoned arrow on his unprotected heel.

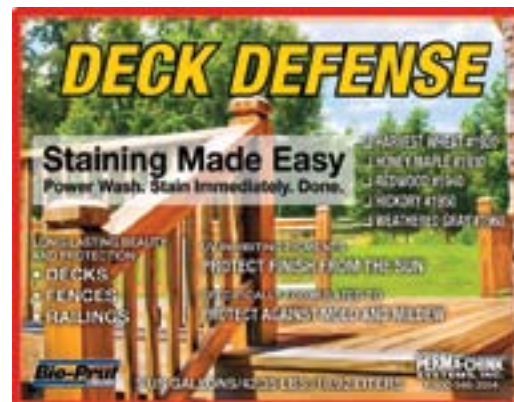
Exterior deck surfaces are often subjected to the worst abuse imaginable. Decks unprotected by overhead structures are exposed to full-strength damaging UV radiation 365 days a year. The species of wood is often less durable than that used in your home, yet decks are expected to be some of the hardest working surfaces of your home. Deck surfaces are subjected to high foot traffic and other forms of abuse such as dogs' paws, dragging patio furniture, and kids with metal snow shovels.

One of the deck construction mistakes we see most often is the result of an inattentive deck builder not orienting the growth rings properly to allow for adequate drainage on the walk board surface. Wood most often warps in the direction of the growth rings: if they face down the boards will "crown", meaning as they warp the center of the board will remain higher than the edges and allow for proper drainage. If the rings face up the boards will "cup" and warp up on the edges resulting in pools of water being retained on the surface. Exercising care in the construction and maintenance of your deck will contribute to years to the life and enjoyment of these exterior wood surfaces.

Many of the qualities that make a stain ideal for use on your log home may have characteristics that are not well suited to deck applications. Acrylic log home stains are relatively "soft" and build a film on the surface. Traditional oil based stains wear well primarily for their ability to penetrate into the wood's surface and provide protection, but can be difficult to apply and regulatory environmental concerns have greatly reduced their effectiveness.

Perma-Chink Systems recently introduced a new deck stain that combines some of the best features of these two types of finish in one: *Deck Defense™* provides the penetrating qualities of natural oils suspended in an environmentally responsible water based delivery system. The oils are modified at the cellular level to penetrate into the deck

### NEW PRODUCT!



surface, allowing the stain to be applied to even wet deck surfaces. As the water evaporates, the oil finish remains.

We've had opportunity to use *Deck Defense™* and the results have been impressive. Perma-Chink's *Deck Defense™* allows us to offer our customers the option of an oil based deck finish that penetrates into the surface for immediate protection and beauty as well as being easy to reapply as a maintenance coat in future years. *Deck Defense™* is available in five trans-oxide pigmented colors, offers easy soap and water clean-up, and is ideal for decks, fences, railings, and other horizontal surfaces.



Wayne Bell is Owner of Log Home Care, professional applicators specializing in log home refinishing, repair and restoration, serving a multi-state region from their base in southern Ohio and can be reached at 937-657-4565 or [www.LogHomeCareOnline.com](http://www.LogHomeCareOnline.com)

# American Legion Makeover

## ■ Generous Donation

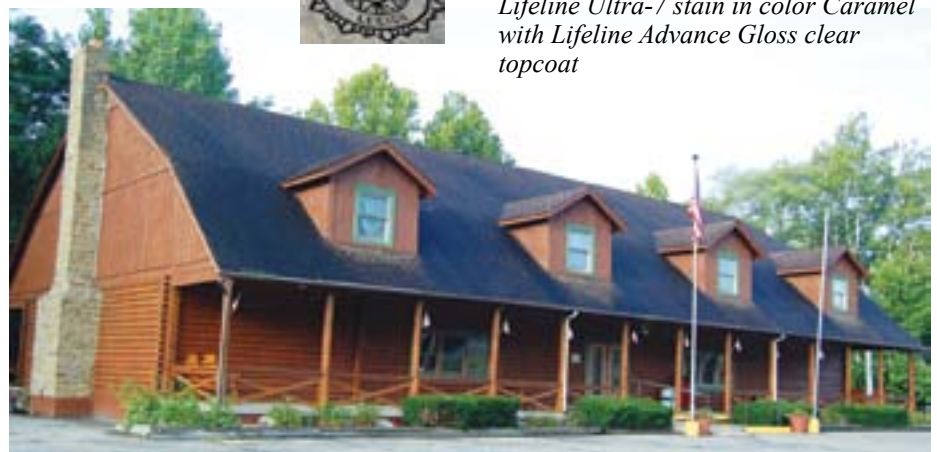
The Pendleton American Legion log cabin got a makeover after the group received a large donation of Perma-Chink Systems products for renovations.

Last year, Bill Huff, who is a member of the American Legion Post in Noblesville and a combat veteran of the Vietnam war was asked to take a look at turnbuckles, which hold the cabin's structure together. Bill inspected the turnbuckles and said they were fine, but the wood and logs were in bad shape and would need to be redone. Nancy McKechnie, former commander, became concerned when she was told of the needed restorations, because the money raised by the Legion should be going to veterans. She was very happy to find out that Bill Huff, a member of the Legion and the owner of Log Home Center and his son Eric who works for Perma-Chink Systems donated nearly \$6,000 worth of specialized materials for the restoration of the log cabin. The donation includes special log cleaner *Log Wash*, sealants and stains. The building was totally scrubbed down with *Wood Renew*, treated with *Armor Guard* wood preservative and rotten areas were repaired with a combination of *E-Wood* and *M-Balm* epoxies. Then the beautiful *Lifeline Ultra-7* color of stain was applied and coated with *Advance Gloss* clear top finish.

The transformation of this building was unbelievable! It has helped to change the whole attitude of the community, members and veterans. It went from a struggling stagnant Post

to one that is vibrant and growing. Something the Vets can truly be proud to be part of.

Bill owns the Log Home Center in Noblesville, IN and deserves to be recognized for his generosity. American Legionnaires are known for their life long devotion to Veteran needs. We all want to thank Bill Huff for his service to his country and this generous donation to the Pendleton American Legion Post.



Before:



The work was donated by Legion members and took place on weekends



After:



*Lifeline Ultra-7* stain in color *Caramel* with *Lifeline Advance Gloss* clear topcoat





Wood is a unique, natural substrate that appeals to us due to its beauty and natural characteristics. The application of a semi-transparent or transparent stain allows us to highlight the natural grain to bring out and expose its true beauty while adding color to the space. So, are all wood species the same in composition and therefore can be prepared in the same way, using the same cleaning products? The obvious answer to this question is NO. We can simply tell this by looking at two different wood species and notice the differences in wood color and grain structure. These simple differences are an indication that not all wood species are created the same and their compositions are quite different. Although all wood species contain many of the same components including cellulose, hemicellulose, it is the wood extractives that differentiate wood species from one another.

Wood extractives are compounds present in bark and softwood & heartwood of a tree that contribute to such properties of wood as color, odor, and decay and insect resistance. Consequently, these extractives can also discolor paint and finishes (water soluble extractives) as well as create adhesion issues (oil soluble extractives) for many coating types. Extractives can be characterized as volatile oils (i.e. turpentine), wood resins (i.e. pitch or sap), fats and waxes, lignans (dimer molecules of lignin), tannins and carbohydrates (i.e. food reserves). All wood species contain wood extractives; however,

## ■ Ready-to-Use Cleaner

By Sean Gahan - Senior Chemist

there are a handful of wood species that are characterized as extractive rich woods. This group includes Redwood, Western Red Cedar, Walnut and Mahogany. The second group of wood species that also contains higher levels of wood extractives but not as high as the extractive rich woods include Southern Pine, Douglas Fir, Spruce and Cypress.

*Cedar Wash* was developed by Perma-Chink Systems as a Ready-to-Use cleaner specifically formulated for preparing the surface of wood species that contain high levels of wood extractives and resin oils. *Cedar Wash* is designed to remove surface resin oils and high concentrations of water-soluble wood extractives in addition to dirt, grease, grime, pollen, and surface mold and mildew without harming the wood.

- Designed specifically for Western Red Cedar and Redwood (Softwoods) and Walnut and Mahogany (Hardwoods).
- Highly recommended cleaner for Southern Pine, Douglas Fir, Spruce and Cypress.
- Removes resin oils and wood extractives from the surface of the wood that may interfere with adhesion of *LIFELINE*<sup>™</sup> exterior stains or *Prelude*<sup>™</sup> to the wood surface.
- Removes dirt, dust, pollen and other foreign substances from log surfaces.

## NEW PRODUCT!

- Contains an aggressive detergent package for efficient cleaning of the wood surface.
- Safe to use on chinking and sealants.
- Easy to use, Ready-to-Use formula.
- Low environmental impact



Before cleaning with Cedar Wash



After cleaning with Cedar Wash

# DIY: Paul's Outdoor Living

By Paul Peebles

Although being a Sales Representative for Perma-Chink Systems is somewhat unique and something I am proud of, I am certain that I am not unique in the challenge of trying to balance my time away from work between leisure time and the time I spend maintaining my home.

This past summer, my wife and I decided that it was time to build the outdoor kitchen/porch and living space on our home in Nashville that we have been wanting for a long time. We wanted to bring the feel of being outside at our vacation home to the home we live in every day. This project had to serve several purposes to make it worthwhile; improve the drainage around the house, include a fireplace, have an outdoor cooking area and a gathering area for entertaining friends and family. The home has always had some drainage problems and heavy extended periods of rain sometimes caused water to leak into the basement. Instead of excavating and installing a French drain to the home, we decided to use the new structure to extend the roof line and gutter system out from the home to improve the drainage. The new porch is 18 x 24 and includes everything we wanted.

I was excited to be able to use our Perma-Chink Systems products on virtually every piece of wood in the structure. The porch decking, beams, fireplace mantle, and trim are all *Lifeline Ultra 7* in Chestnut and the roof decking is *Lifeline Accents* in Pickled White color. Caulking is *Energy Seal* in Classic Brown and *Woodman* in White. The fireplace posed a challenge

as I had never actually applied the cultured stone and know little about masonry. I solved that problem by using our *Perma-Chink* in Light Gray log home sealant to adhere the stones to the plywood framing.

It is nice to be able to cook outside, sit by the fire with friends, and enjoy what we built. It is even more satisfying to know that we used Perma-Chink Systems products that I sell every day and achieved the results that I promise my customers.



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- 

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Free Workshops, Catalog  
Product Samples



## Honest Abe's Model

### ■ New Way of Incorporating Log and Timber Design



Honest Abe Log Homes company is proud to present their new model home; an original design of Honest Abe's designer Michael Hix. This home incorporates log and timber frame elements in an innovative manner. The model was designed to present two facades with two very distinctive looks such that a passerby will have clear and different views of the property. The exterior of the house combines the use of traditionally dovetailed logs with elements of the Craftsman style, including rock pylons supporting wooden porch posts and exposed trusses underneath a wide front gable, to achieve this effect.

For this home Honest Abe chose kiln dried eastern white pine for its stability, energy efficiency, strength and durability. Because it has fewer checks and warps than other species, it creates more aesthetically pleasing walls. Eastern white pine is also a major species for reforestation, making it a plentiful and renewable resource. "We selected Perma-Chink Systems *Lifeline*™ stains and finishes because of the excellent UV protection they provide and because they enhance the beauty of the wood while protecting it", says Josh Beasley, the President of Honest Abe Log Homes. Honest Abe also appreciates the incredible level of customer service they have received over the years from Perma-Chink Systems.



*Lifeline Ultra-7 stain in color Smoke with Lifeline Advance Gloss cleat topcoat*

Applicator: Mountain Top Log Home Restoration,  
Peter Malkmus (stain/sealants)



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The Wood Home Care and Maintenance Authority

# Don't Miss Out FREE Workshops FALL 2014



September 20	Knoxville, TN
September 27	Petersburg, PA
October 18	Knoxville, TN
November 8	Stevensville, MT

## CONGRATULATIONS!!! 20 Years of Business in Colorado

Perma-Chink Systems celebrated a milestone in business, 20 years in Colorado, with a customer appreciation celebration. Colorado was the third branch location that owner Rich Dunstan set-up as he expanded his business nationwide. Celebrating longevity as a business is a great opportunity for us to say *Thank You* to all our customers who have supported our Rifle branch and made them a successful and integral component of our business. The Rifle team did that in grand fashion. On August 5th, they held a fun event full of

hot dogs and root beer floats, free prize giveaways, and they even broadcasted live on the radio thanks to our favorite radio station KMTS.

“We are proud to serve the Rocky Mountain and 4-corners region of our great country and we want to thank all of you for supporting products that are both beautiful and safe in addition to Made in the USA,” said Shar Neuroth, Branch Sales Manager in Rifle. “My team and I are very thankful for the support of our community and our customers; and we

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*Shar with Frank Ladd, President Chamber of Commerce, Rifle, CO.*