



SHEAR BULL



Palm Beach County Roofing & Sheet Metal Contractors Association

Affiliate of FRSA and NRCA

April 2014

Volume 27 - 4

April Program

Annual Spring Golf Tournament

Winston Trails
Lake Worth

April 23, 2014

12:00 Noon - Sign In
1:00 PM - Shot Gun Start
5:00-7:00 PM - Dinner &
Awards in Clubhouse

Fee: \$100.00 per player

Tournament Flyer & Sponsorship
Flyer downloadable on website

Call for Details:

John Pellegrino 561.719.7341

Ron Frano 561.655.5393

rfano@comcast.net



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Coal-tar Roofing Systems Rugged, Recycled, Reflective, Reliable!

By Peter San Juan/Kevin Ochis

Overview

Built-up roofing systems using coal-tar pitch continue to represent an important option for building owners, roofing contractors, and specifiers. In many situations—prevalence of ponded water, roofs with heavy maintenance traffic, water-cooled roofs, and roofs in areas prone to hail—coal-tar roofing systems are the ideal solution. In roofing configurations where the use of tapered insulation would be difficult or impossible because of flashing heights; drain locations; or door, window, or wall heights, coal-tar pitch roofs may be particularly appropriate, especially on a roof where longevity is important.

Following are some important considerations for selecting a coal-tar roofing system.

What Is Coal-Tar?

Coal-tar pitch starts as a byproduct of the coking process used in the steel industry, where bituminous coal is heated to 1,800° to 2,200°F in the absence of air, releasing the volatile compounds in the coal. The remaining coal, now called coke, is used in the production of steel. In order to recycle the volatile compounds, these compounds are collected and cooled. After initial separation, the resulting crude coal tar is then further processed to produce various types of coal-tar materials, including those used to make roofing pitch.

Different grades of coal-tar materials are used for road materials, as well as a variety of adhesive and industrial coatings. Other coal-tar chemicals produced during refining are used in medicines, cosmetics, dyes, and plastics.

Basic Properties of Coal-Tar Roofing Material

Coal tar is composed of ring-like hydrocarbon molecules that provide a natural resistance to water, ultraviolet rays, oxidation, chemical attack, and degradation from the harshest atmospheric conditions. Equally important, coal-tar pitch has unique cold-flow and self-healing properties, unlike other roofing and waterproofing products. Although it appears solid, coal-tar roofing pitch is able to flow at warm rooftop temperature—the warmer the temperature, the greater the rate of flow. This ability to flow permits the membrane to continuously adjust to changing conditions, sealing minor fractures and abrasions, hail damage, and other stresses that could otherwise accelerate the membrane's aging.

Why Choose A Coal-Tar Roofing System?

There are many benefits to coal tar as a roofing system, including those listed on page 3.

Continued on page 3

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MESSAGE FROM THE PRESIDENT

It appears that work is picking up in the reroof and repair market with some new construction as well. This is a good sign that the economy is starting to pick up and now is a good time to showcase your company and what sets you apart with the competition. Remember we are Professional Roofing Contractors and I don't see that aspect being utilized enough in Web, print or on your trucks, PROMOTE YOUR COMPANY.

We have PBCRSM logo decals that you should be putting on all your vehicles so that people can see you belong to a group of professionals and we have a code of ethics that we follow.



For those of you that could not attend last month's meeting, you missed a good one, Dr. Sudhir Railkar did an outstanding presentation on a independent study done at Oak Ridge National Laboratories on Sealed Attics and use of SPF on the underside of the plywood sheathing. I should have his PowerPoint presentation available sometime this month Ron will post it on our web site when it's available.

Our Annual Golf Tournament will be held this month at Winston Trails Golf Club, April 23rd. Ron has sent out applications for foursomes and tee sponsors, let's have a great response all around and enjoy a day of golf and catching up with old friends. Next month's meeting features Valerie Staggs with the Brian Wilson Agency. Her topic will be on "Using Social Media in Business", and I don't think enough of us are doing that. And remember to promote that we are "Professional Roofing Contractors" !!!

Respectfully Submitted

Joe Byrne

President

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Coal-tar Roofing Systems

Rugged, Recycled, Reflective, Reliable! *Continued...*

By Peter San Juan/Kevin Ochis

Lower Life-Cycle Cost

There are few commercial roofing systems that outperform coal tar when evaluated in terms of life-cycle cost of a roofing system. Based on anticipated years of service, combined with low maintenance costs and other factors, coal-tar roofing can be one of the most economical roofing solutions available for flat or low-slope roofs. Carl Cash, a noted authority in the roofing industry, reported the results of a study that determined only metal roofing systems have an average service life greater than coal tar, and metal roofs are typically specified on higher-slope installations.

Self-Healing Properties

Coal-tar roofing pitch has inherent cold flow characteristics, meaning that cracks and surface damage that occur during colder weather will be healed by the roofing pitch flowing back together during periods of higher temperatures.

Resistance to Ponded Water

Virtually unaffected by water, coal tar does not dissolve when exposed to moisture, thus making it an ideal product for use in ponded water and below-grade waterproofing situations. Ponded water can actually increase the life of a coal-tar roof by keeping it cool. As the water evaporates, it carries heat with it, keeping the roofing membrane and the building cooler.

Sustainability

As a post-industrial recycled product (a byproduct of steel production), coal-tar roofing pitch qualifies for LEED® credits. After processing, coal-tar roofing pitch becomes one of the toughest and longest-lasting roofing products around, keeping buildings and insulation dry, thereby maximizing the life of the roofing membrane and insulation and, importantly, minimizing landfill volume. A well-installed and well-maintained coal-tar roof can last for the life of a building.

Longevity

Coal-tar roofing systems have 125 years of time-proven history as one of the longest-lasting, most rugged, flat and low-slope roofing technologies available. Period.

Abuse Resistance

Due to coal-tar roofing systems' multiple ply construction, high completed system thickness, rock surfacing and self-healing characteristics, they exhibit superior abuse resistance properties.

Fire Resistance

Coal-tar roofing systems have excellent natural fire resistance over the long term, requiring no fire-retardant chemicals, so there is no FR- or non-FR- grade product. This is largely due to the rock or slag aggregate surfacing. (As they say, rocks don't burn.)

Vapor Permeance

Coal-tar material has an extremely low vapor permeance, contributing to its excellent performance in ponded water conditions and in climates and conditions where there is a vapor drive into a building.

Proper Maintenance Extends the Life of Coal-Tar Roofing Systems

Coal-tar roofing systems typically require minimal maintenance, but it is important to follow basic guidelines to ensure that even older coal-tar roofs can have extended life for additional decades. If a coal-tar roof system is in reasonably good shape, it can be extended for up to 20 or even 30 years by performing basic repairs, adding a new flood coat and aggregate (or applying a tar resaturant and aggregate) to the field of the roof.



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Conclusion

Time-proven and field-proven coal-tar roofing systems provide building owners with a variety of benefits. Coal tar provides the ideal chemical and physical characteristics for resistance to degradation from nature's most menacing solvent—water—in all its forms. Coal tar's cold flow and self-healing properties provide natural resistance to ponded water, oxidation, chemical attack, and offer low maintenance cost and warranties with no exclusion for ponded water.

Many of these benefits have been overlooked in recent years. Coal tar merits consideration as a roofing material of choice by quality- and cost-conscious owners.

PAST MARCH MEETING

From networking events, informative meetings, and website listings,
membership has it's benefits.
 Invite your friends, colleagues and acquaintances to join.



Pictured: Left To Right;
 Mike Fulton, O'hagin; Guest speaker Dr sudhir
 Railkar; Tim Graboski, Graboski Roofing

Industry Websites

- ASTM - www.guidance-inc.com/~roofroof/
- American Consulting Engineers Council - acec.org
- American Institute of Architects - aia.org
- American Society of Civil Engineers - asce.org
- Building Officials Association of Palm Beach County
 - www.boapbc.org & www.boapbc.org/links
- Cedar Shake & Shingle Bureau
 - www.CEDARBUREAU.org
- Construction Industry Management Council (CIMC)
 - www.cimcpbc.com
- Construction Specifications Institute
 - <http://www.csinet.org>
- Copper Development Association
 - <http://www.copper.org>
- Division of Workers' Compensation
 - <http://www.wc.les.state.fl.us/DWC/>
- Florida Roofing, Sheet Metal & Air Conditioning Contractors Association - www.Floridarooft.com
- Galvalume Sheet Producers - www.steelroofing.com
- National Roofing Contractors Association (NRCA) - <http://www.nrca.net>
- National Society of Professional Engineers - nspe.org
- Roofing Contractors Association of South Florida (RCASF) - www.rcasf.org
- Roofing Industry Education Institute- <http://members.aol.com/RIEIROOF/classes.htm>
- Roof Tile Institute - www.rooftile.org
- Sheet Membrane and Component Suppliers to the Commercial Roofing Industry (SPRI) - www.SPRI.org
- Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) - <http://www.smacna.org>
- The Council of American Building Officials (CABO) - <http://www.cabo.org>



May 2014

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
4	5	6	7	8	9	10
			CIMC 7:45 AM			
11	12	13	14	15	16	17
18	19	20	21	22	23	24
			BCAB 2:00PM			
25	26	27	28	29	30	31
			General Member Meeting 6:30 PM			

HAMMERHEAD

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Upcoming May Program

Using Social Media in Business

Valerie Staggs, Ryan Williams Agency

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