



FOR IMMEDIATE RELEASE

Garlock Launches ABRA-SHIELD™, an Expansion Joint Material Designed for Abrasion Protection

Palmyra, N.Y. (September 25, 2018): Garlock – a leading manufacturer of high-performance fluid sealing products – has launched ABRA-SHIELD™, a proprietary expansion joint liner material designed for abrasion resistance and sustainability in demanding high temperature operating conditions.

As the newest addition to Garlock’s family of abrasion resistant expansion joint materials, ABRA-SHIELD™ will join ABRA-LINE® and Natural Rubber to provide a variety of liners that cater to increased abrasion protection. ABRA-SHIELD™ will be an option for use with a number of expansion joint products that Garlock offers – including styles 204, 206, 7250, 8400 and 9394. These uniquely constructed joints also provide high levels of protection from stress, misalignment, vibration, noise, shock and corrosion.

Media type and temperature play a significant role in the selection process of an expansion joint liner material. The specialty formulated hydrogenated nitrile butadiene rubber used in ABRA-SHIELD™ performs significantly better than common abrasion resistant solutions, with an operating temperature range up to 300°F.

In abrasion resistance testing – which provides data to compare materials and predict the lifetime of a material or coating – ABRA-SHIELD™ provided 50% higher abrasion resistance than standard EPDM (ethylene propylene diene monomer rubber). ABRA-SHIELD™ will be the recommended solution in abrasive applications (such as slurry, ash and brine) with sustained or spiked temperatures between 180°F and 300°F. For temperatures outside of this range, other materials in Garlock’s family of abrasion resistant expansion joints would be suggested.

“The abrasion resistant line of materials have been custom engineered for abrasive applications, and the benefits over alternatives in the marketplace is striking,” said Tom Smith, Product Line Manager of Expansion Joints. “ABRA-SHIELD™ is the next evolution in this level of protection by providing a higher media temperature range, which is a particularly important factor for the integrity and life of the joint.”

This superior performance in challenging environments will be advantageous for applications across a range of industries, including metals/minerals, oil/gas, power generation, pulp/paper, hydrocarbon processing, chemical processing, agrochemical, water/wastewater, mining and fertilizer.

“We performed a test launch of ABRA-SHIELD™ to select customers in various industries and reaction to the product has been resoundingly positive,” said Derek Hicks, Applications and Project Lead, Expansion Joints at Garlock. “Results exceeded customer expectations – the value proposition of enhanced performance coupled with longer life in demanding applications has generated a lot of excitement and we’re already responding to requests for wider ABRA-SHIELD™ implementation.”

ABRA-SHIELD™ is available as a liner material option on Garlock’s expansion joint products, available immediately. Visit <https://www.garlock.com/en/products/expansion-joint-materials-guide> for more details.

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About the Garlock Family of Companies

The Garlock family of companies is part of EnPro Industries, Inc. (NYSE: NPO). Garlock is acknowledged as the global leader in high-performance fluid sealing products, committed to a culture of safety. Processing industries served include chemicals and petrochemicals, refining, pulp and paper, power generation, semiconductor, primary metals, food and pharmaceuticals, mining and original equipment manufacturers.

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