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Attention: Editor

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PRESS RELEASE



Biopad®-Biobased Fabric Powered By Nano-VpCI® For Corrosion And Surface Protection Of Multi-Metals!

BioPad®, Patent Pending, is a unique flexible corrosion inhibiting device constructed from 100% biobased non-woven material, containing 66% biobased content. BioPad® provides an eco-friendly sustainable packaging option for corrosion inhibition and has been awarded USDA BioPreferredSM designation (www.biopreferred.gov). It is specially designed with Vapor phase Corrosion Inhibitors (VpCI®) impregnated throughout the substrate.



Cortec's BioPad® provides multi-metal VpCI® protection and desiccant action in one simple step to protect metal parts such as automatic transmission components packaged in reusable plastic boxes.

This powerful USDA certified biobased product provides up to two times as much corrosion inhibiting action as conventional VCI foams. In addition to being biobased, BioPad[®] contains a high concentration of VpCI[®] in combination with its thin design, resulting in material reduction by up to 94% in comparison to similar polyurethane foam emitting devices.

BioPad[®] is cost effective, adaptable, and easily applied. Simply placing the correct size BioPad[®] into your package will allow metal items to be protected while leaving them ready for use; no degreasing or coating removal is required, just remove the item from package and put to use.

The product is excellent for protection of ferrous and non-ferrous metals as well as alloys such as: galvanized and carbon steels, copper, brass, aluminum, zinc, solder, silver, etc. The product is free of nitrites and amines contains no isocyanates.

BioPad[®] conforms to NACE Standard TM0-2008 and RP0487-2000, MIL-I-22110C and has been tested by a certified laboratory in accordance with ASTM D-1748 (Humidity Test) and ASTM D 1735 with excellent results. The product is also RoHS compliant.

Evaluation of BioPad[®] for the protection of camshafts



Control after 192 hours of testing according to ASTM D 1748



Camshafts protected with BioPad[®] after 192 hours of testing according to ASTM D 1748

The customer, a manufacturer of engines, submitted various packages of camshafts for accelerated corrosion testing. The customer was looking for a rust preventative method that is easy to apply and provides the ability for regular inspection of the parts. The parts were packed in the film containing a strip of BioPad[®]. The parts packed in the plain film were used as a control. All packages were subjected to ASTM D-1748 Humidity chamber test. (50C, 99% relative humidity) for 8 days (192 hours). After the test, control showed significant corrosion (picture on the left). Parts protected by a BioPad[®] strip were corrosion free (picture on the right).

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Cortec[®] Corporation is the global leader in innovative, environmentally responsible VpCI[®] and MCI[®] corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication, sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota. Cortec[®] manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified Cortec Website: <http://www.cortecvci.com>