

MICRO-PAK®

Unrivaled Mold & Moisture Protection

Steps to Prevent Mold & Moisture Damage Across the Supply Chain

Mold spores and moisture are always present in the air and this means that damage to your products can occur at any time during production, storage and shipment. Mold will grow as long as there is sufficient moisture and a food source (any organic material is food for mold), while a change in temperature is all it takes for moisture to condensate and cause damage to your products. Moisture damage has many forms including rust and corrosion, warping of wood, device malfunction in electronics, peeling labels, caking of dry goods, reduced shelf-life of perishable products and many more. Almost all consumer products are susceptible to damage from mold and moisture, so how do you protect your merchandise? Effective prevention requires taking the following key steps to ensure that quality controls are in place at every stage from manufacturing to final delivery:

- a) **Produce and package goods in the best condition possible** – Factories need to implement best-practices in production to package finished goods in “clean and dry” condition.
- b) **Protect finished goods with anti-mold**

products and desiccants – Your goods are at highest risk during shipment which is also when you have little to no control over environmental conditions. The most effective preventive measure is to use anti-mold products and desiccants within the packaging to protect your goods.

- c) **Ensure the shipping container is dry and damage-free** – When containers pass through different climactic zones the changes in temperature can cause condensation to form within the container. You therefore need to minimize the amount of moisture introduced into the container and use container desiccants to absorb the excess moisture.

Production Solutions

Micro-Pak offers unrivaled technical services including factory assessments and training to help vendors identify and eliminate shortcomings at the point of production. Micro-Pak technicians based in China, Vietnam, Bangladesh and India assess over 3,500 factories in 15 countries every year. Our training resources include in-person seminars, on-demand webinars, and a free online training course.



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Product Solutions

There are a wide range of anti-mold products and desiccants available for sale so how do you select what is best for your products and budget, while also meeting your brand's product safety, compliance, and sustainability standards?

Micro-Pak has over 20 years of experience in specialist packaging and our team of expert consultants can recommend the optimum solutions for your specific packaging needs. Our wide product range allows us to accommodate your requirements whether function, budget, or eliminating plastics is your top priority. Rest assured that all Micro-Pak products comply with international regulations and safety standards.

Anti-Microbial Products

- Micro-Pak® Stickers for shoeboxes
- Micro-Pak® PE Sheets for any products packaged in polybags
- Micro-Pak MPX2® anti-mold polybags made from 100% recycled LDPE

- Micro-Pak MPX2® anti-mold tissue made from 100% recycled LDPE

Desiccants

- Micro-Pak Dri Clay® Kraft: 100% natural and plastic-free bentonite clay desiccant packaged in biodegradable Kraft paper
- Micro-Pak MPX2® Desiccants: Calcium chloride package desiccants
- Micro-Pak Container desiccants: Superior moisture control for containers

Container Solutions

Moisture is typically introduced into the container by high humidity at the point of loading, wet goods and wet packaging materials, rainwater accidentally brought in on worker's shoes during loading, and incomplete drying after cleaning. Factories should have inspection and loading protocols in place to minimize the introduction of moisture, which Micro-Pak can help to develop. Container desiccants should also be used to remove excess moisture and prevent condensation.



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Summary

All products are susceptible to mold and moisture, and damage can occur at any time during production, storage and shipment. By implementing the key steps outlined above you can significantly reduce the risk of damage to your goods.

Contact us today to learn more:
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