

Micro-Pak Dri Clay® Kraft

A Certified Plastic-Free, Natural Desiccant in Biodegradable Packaging



A Sustainable Alternative to Silica Gel and Calcium Chloride Desiccants for Superior Mold and Moisture Prevention

Micro-Pak Dri Clay® Kraft is a certified plastic-free desiccant made from natural bentonite clay that is packaged in biodegradable FSC-certified Kraft paper. Dri Clay® is the first desiccant with the Plastic Free Certification from Control Union.

Dri Clay® outperforms silica gel and calcium chloride desiccants and will reduce humidity inside a package to lower levels. It remains dry at all times, will not leak and is non-corrosive, thereby ensuring the best protection for your products against mold and moisture damage.

Dri Clay® is better for your products, the environment and your brand reputation.

PRODUCTS	ENVIRONMENT	YOUR BRAND
<ul style="list-style-type: none"> ✓ Outperforms silica gel and calcium chloride ✓ Safe (no leakage or corrosion) ✓ Supported by Micro-Pak technical services 	<ul style="list-style-type: none"> ✓ Plastic-free (Certified) ✓ Biodegradable, FSC-certified Kraft paper ✓ Natural, high-grade bentonite clay 	<ul style="list-style-type: none"> ✓ Consumers expect sustainable packaging ✓ Eco-friendly design ✓ Safe (non-toxic and free of harmful chemicals)

Micro-Pak Dri Clay® Kraft X2: The Only Clay Desiccant Designed for the Apparel Industry & Metal Detectors

As it is a 100% natural ingredient, bentonite clay may contain trace amounts of ferrous minerals with magnetic properties that can, on very rare occasions, trigger metal detectors which are most commonly used by the apparel industry to check for any metal parts accidentally left behind in the garments.

Dri Clay® Kraft X2 is a special version of Dri Clay® designed for the apparel industry and metal detectors. It uses a proprietary filtration method to remove any ferrous minerals from the clay and has 100% metal detector pass rate.

WHEN SHOULD I USE THE X2 VERSION OF DRI CLAY®?

1. The first and only bentonite clay desiccant designed for the apparel industry and metal detectors.
2. Available in 2 sizes (grams): 2g and 6g for individual packing.
3. If you make apparel or other products and use metal detectors at 1.0mm setting, we recommend using Dri Clay® X2 for individual packed items.
4. For bulk packing the desiccant is typically added after the metal detection stage so you can use regular Dri Clay®



Learn more - <https://www.micropakltd.com/en/products/micro-pak-dri-clay-kraft-x2>




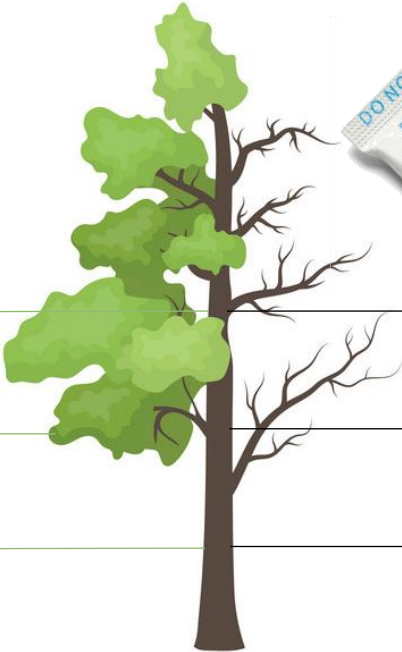




A Superior Desiccant

Dri Clay® offers important sustainability, performance, safety and regulatory advantages compared to silica gel and calcium chloride desiccants:

		Dri Clay® Kraft	Silica Gel	Calcium Chloride
Performance	Superior Performance	✓	X	X
	No Leakage	✓	✓	X
	Non-Corrosive	✓	✓	X
Sustainability	Certified Plastic-Free	✓	X	X
	Biodegradable Packaging	✓	X	X
	Naturally Occurring	✓	X	X
Safety & Regulatory	Eco-friendly design	✓	X	X
	REACH exempt	✓	X	X
	Safer	✓	X	X

Sustainability Impact

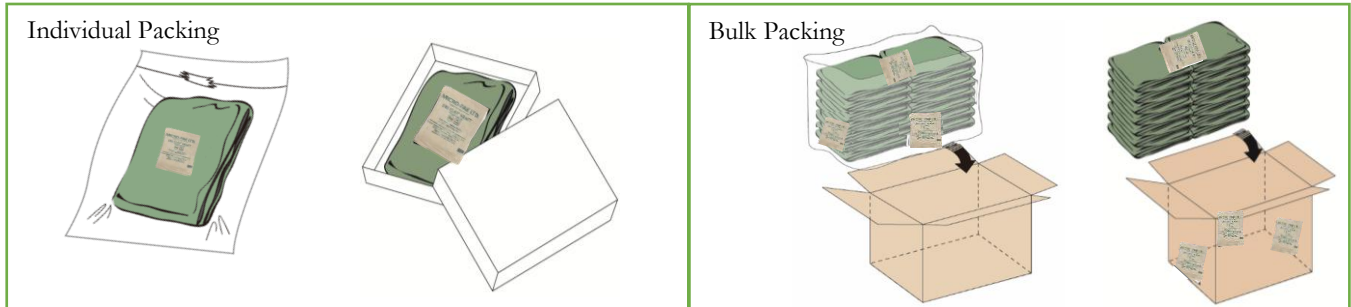
Here is a comparison of the environmental impact of using 100 million pieces of 5-gram silica gel sachets versus the same quantity of Dri Clay®:

Micro-Pak Dri Clay® Kraft		Silica Gel
		
 Plastic-Free		47 Metric Tonnes of Plastic = 2,350,000 1-liter Plastic Bottles
 No Chemicals		950 Metric Tonnes of Chemicals
 Zero Water Used in production		10,000,000 Liters of Fresh Water

Replacing synthetic and plastic desiccants with Dri Clay® is an easy change to make, resulting in meaningful sustainability benefits.

How to Use Micro-Pak Dri Clay® Kraft

Packing Manner	Where to Place the Desiccant
Items packed in individual polybags or inner boxes	Put desiccant inside each polybag or each inner box
Bulk packed items in master polybag/master carton	Put desiccant in the master polybag/master carton



1. At the time of final packing remove Dri Clay® from the sealed polybag. Put inside product packaging and seal immediately.
2. Store unused Dri Clay® in the sealed original polybag. Use up remaining stock as soon as possible.

BULK PACKING INSTRUCTIONS

Dri Clay® comes in 5 sizes (grams): **2g, 6g, 17g, 33g, 66g**. The amount to use depends on the size/volume of the packaging (polybag, box, carton etc.). Outlined below is the **minimum** quantity of Dri Clay® to use with different sized packages. Use regular Dri Clay® for bulk packing and if your products do not go through metal detectors at 1.0mm setting.

Package Volume		Minimum Quantity of Dri Clay (grams)	Usage
(Cubic Inches)	(CBM)		
Up to 200	Up to 0.003	2	2g (1 piece)
Up to 400	Up to 0.007	4	2g (2 pieces)
Up to 1000	Up to 0.016	6	6g (1 piece)
Up to 2000	Up to 0.033	12	6g (2 pieces)
Up to 3500	Up to 0.057	17	17g (1 piece)
Up to 5500	Up to 0.090	30	17g (2 pieces) or 33g (1 piece)
Up to 8000	Up to 0.131	45	17g (3 pieces)
Up to 12000	Up to 0.197	65	66g (1 piece) or 33g (2 pieces)
Up to 24000	Up to 0.393	130	66g (2 pieces) or 33g (4 pieces)
Up to 36000	Up to 0.590	195	66g (3 pieces) or 33g (6 pieces)
Up to 48000	Up to 0.787	330	66g (5 pieces) or 33g (10 pieces)
Up to 64000	Up to 1.049	460	66g (7 pieces) or 33g (14 pieces)



Remarks: You can use any size of Dri Clay® as long as the total weight of desiccant is not less than the minimum recommended amount. Additional desiccants may be required depending on the sensitivity of the product to moisture damage, the season, and the severity of weather conditions. Factories must also take the necessary precautions to ensure goods are packed clean, dry (with a low moisture content) and mold-free.

Please contact Micro-Pak at info@micropakltd.com for special instructions.

INDIVIDUAL PACKING INSTRUCTIONS

Item	Dri Clay® Quantity	Usage
Underwear, Thin Socks, Cap, Light Gloves	2g	1 piece of 2g
Shirt, Shorts, Swimwear, Winter Hats, Thick Socks	4g	2 pieces of 2g
Pants (non-denim), Dresses	6g	1 piece of 6g
Denim Pants, Sweaters, Light Windbreaker	12g	2 pieces of 6g
Leather Jackets, Light Down Jackets	17g	3 pieces of 6g
Heavy Outerwear & Winter Jackets	30g	5 pieces of 6g



1. Use X2 version of Dri Clay® if you use metal detectors at 1.0mm setting and have issues with regular Dri Clay®.
2. Use regular Dri Clay® for bulk packing and if your products do not go through metal detectors at 1.0mm setting.
3. The recommended quantities are based on the average estimated package sizes and bulkiness of product.
4. Please contact Micro-Pak at info@micropakltd.com for specific instructions.

Micro-Pak Technical Service Program

Micro-Pak products are one step in the mold prevention process and suppliers must still follow good manufacturing practices to avoid mold problems. Micro-Pak provides unrivalled technical services including factory assessments, corrective action planning, and training to help suppliers identify and eliminate shortcomings in production that could cause mold or moisture issues.

Micro-Pak's mold prevention training program includes seminars, on-demand webinars, and an online training course <https://www.micropakltd.com/en/training-course>

Should a mold case occur, Micro-Pak will investigate the root cause by combining sample analysis in our microbiology labs with a factory assessment, so as to prevent recurrence in future production.

These services are provided at **no additional cost** to suppliers using Micro-Pak products exclusively or in large volume. <https://www.micropakltd.com/en/technical-services>

Ordering

Below are Micro-Pak contacts. Please send inquiries and your order(s) directly to info@micropakltd.com

ASIA CONTACT (Head Office) Micro-Pak Ltd.	USA CONTACT Micro-Pak USA, Inc.	EUROPE CONTACTS	Authorized Distributors
Suite 2504, Tower 6, The Gateway, Harbour City, 9 Canton Road, Tsim Sha Tsui, Hong Kong Tel: (852) 2956 2991 Fax: (852) 2956 0790 Email: info@micropakltd.com Website: www.micropakltd.com	7421 SW Bridgeport Road, Suite 204, Tigard, OR 97224, USA Tel: (1) 503-747 5755 Fax: (1) 503-747 5783 Email: usinfo@micropakltd.com Website: www.micropakltd.com	Ute Østerby Sales Manager DACH Tel: (49) 172-241 6078 Email: ute@micropakltd.com UK Ben Wright Sales Manager UK Tel: (44) 7831-842 270 Email: ben.wright@micropakltd.com	Please refer our website for a full list of authorized distributors in all countries https://www.micropakltd.com/en/worldwide-distributors