

EnSheild[®]

Antimold Solutions

● REACH COMPLIANT

● DMF FREE

Complete protection from
Moisture, Fungus, and Bacteria.

ENSHEILD brings a complete line of ANTI-MOLD preventive packaging solutions. We deliver the highest quality when compared to other conventional products.



- ANTI-FUNGAL
- ANTI-MOISTURE
- ANTI-SMELL

OUR 360° SOLUTION

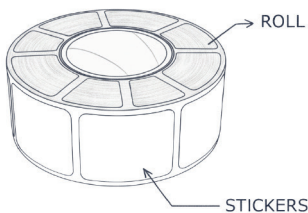
- CARTONS
- CONTAINERS
- STORAGE



ENSHEILD

● REACH COMPLIANT ● DMF FREE

EnSheild Protective Packaging Stickers are eco-friendly solutions that protect products from humidity, bacteria, fungus, and mold. They are more effective than traditional mildew control methods and help ensure shipments reach customers in mint condition.



Product Description

EnSheild Protected Packaging Stickers are manufactured using food-grade components on a recyclable low-density polyethylene (LDPE) base. Each roll is vacuum-sealed in a protective foil pouch to ensure product integrity. The stickers are green in color.

It creates a controlled EnSheild atmosphere based on chemical release rather than absorption, regulating moisture and temperature to inhibit bacterial and fungal growth.

This atmosphere is continuously maintained by the stickers, with the release rate adjusting proportionally to humidity and temperature to ensure optimal protection. The stickers prevent mold and moisture growth but are not intended to treat existing mold.

Advantages of ENSHEILD Protected Packing Stickers

- The stickers provide protection against mold and mildew.
- They are safe for workers and consumers when used as directed.
- They are eco-friendly.
- They offer constant release rate determined by temperature and humidity levels.
- They help keep the product fresh when it reaches the customer.



Steps to use EnSheild Protected Packing Stickers

1.



Open foil package and remove stickers

2.



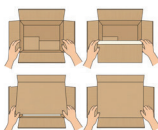
Tear required pieces of Ensheild Stickers, and stick them to the inner wall of the box.

4.



Pack any unfinished rolls back into the package and seal with tape. Keep dry and away from direct sunlight. Use as soon as possible.

3.



Close the box immediately, and do not reopen

Number of EnShield Protected Packing Stickers to be used depends on:



The Size Of
The Box



Storage Duration
Inside The Box



Packing
Environment
Conditions

Frequently Asked Questions:

1. How long can I keep EnShield protected packing stickers?

If the foil bag is not opened, you can store the stickers for up to one year. Once the bag is opened, the stickers should be used as quickly as possible. Any unfinished rolls should be placed back in the bag and used as soon as possible.

2. If we store the products for long periods (e.g. 2 months) before shipping, will the EnShield protected packing stickers still work?

EnShield protected packing stickers will still work but their effectiveness will reduce depending on how long the product has been stored, and how high the humidity is.

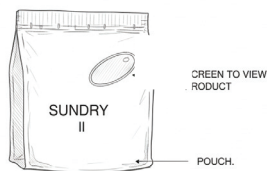
3. If we reopen all the products for some reason, do we need to change the EnShield protected packing stickers?

When you reopen the box, you are letting the EnShield atmosphere escape and may be allowing new sources of mold and mildew inside. Since the atmosphere is compromised, it would be best to replace the stickers.

TERRA CLAY DESSICANTS

A natural desiccant made from **100% natural bentonite clay** that is packaged in biodegradable Kraft paper. TERRA ® Clay Desiccant safely protects a wide range of goods from mold and moisture damage. It is **Natural, Plastic free** and **Biodegradable**.

Terra Clay Desiccant helps in absorbing moisture and prevent mold, mildew, rust, and corrosion. Terra ® Clay Desiccants is the most sustainable and effective desiccant on the market which extends the shelf life. It is high quality moisture absorber and offers high protection to products sensitive to moisture like textiles, home furnishings, wood, paper, electronic appliances, food, pharmaceuticals, medical devices, metal components and many others.



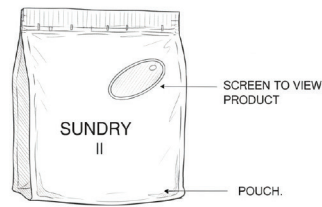
Application

We can put Terra Clay Desiccants with Individual Product / Master Carton

SUNDRY II

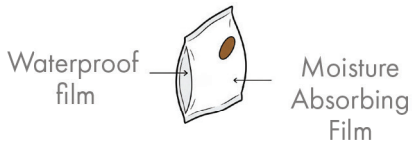
● REACH COMPLIANT ● DMF FREE

SUNDRY-II is a Japanese, eco-friendly, DMF-free desiccant manufactured in compliance with REACH standards. Made from natural materials such as calcium chloride and recycled cereal scorings—a by-product of beer brewing—it reduces environmental impact by repurposing waste for moisture absorption. The technology is approved by the Japan Small and Medium Enterprise Corporation



as an Eco-friendly desiccant using recycled natural materials. Free from gelling agents, SUNDRY-II is biodegradable and absorbs over six times more moisture than conventional silica gel.

Various Features of SUNDRY-II



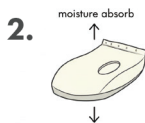
Product Environment Information of SUNDRY-II

SUNDRY-II releases very small amount of carbon dioxide. The recycled materials are not subject to calculation of CO₂ emission in production since CO₂ emission is calculated for virgin materials only. Also, no special process is applied except for mixing, with almost no CO₂ emission and leaves a polyethylene bag as an only environmental impact. SUNDRY-II does not supply or emit any energy in use. It also consumes a little energy because it is processed with other waste materials for landfill or incineration. SUNDRY-II releases no hazardous substances into the air, water or land.

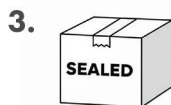
Method Of Packaging



Dry Contents



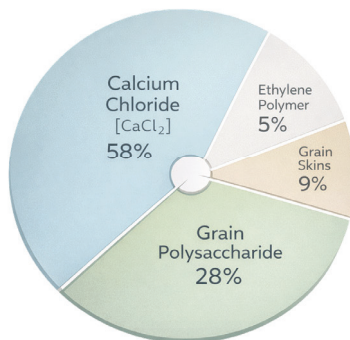
Waterproof side
facing down



Seal Container
Immediately

Characteristics of Materials

1. Calcium Chloride (CaCl_2) is approximately 58% of the component.
2. Grain Polysaccharide is approximately 28% of the component.
3. Grain Skins is approximately 9% of the component.
4. Ethylene Polymer $(\text{CH}_2\text{CH}_2)_n$ is approximately 5% of the component.



Hazard Information (Content / Bag)

1. Ignition Point : / over 350°C
2. Explosiveness : none/none
3. Inflammability : —/inflammable
4. Combustibility : none/none
5. Oxidation : none/none

Sizes Available

- Sundry II RSD – 10gms
- Sundry II RSD – 30gms
- Sundry II RSD – 240gms.

CLEAN AIR

● REACH COMPLIANT ● DMF FREE

Clean Air is an innovative concept that helps customers solve the unique problem of unwanted smell.

Clean Air is made of carbon, which is a gift from nature, making it eco-friendly since it is made of natural ingredients.

The stench of some finished products can be quite discomforting due to the foul smell of other ingredients used in manufacturing. Clean Air helps reduce the unwanted smell from the product. Clean Air is available in the form of sachets.



MOLD FRESH

ANTIBACTERIAL SPRAY

● REACH COMPLIANT ● DMF FREE

MOLD FRESH is formulated to inhibit the growth of bacteria using a raw and sustainable anti-microbial known for its preservation capabilities that has been in use for a long time. It uses fine-particle technology, and when applied to products and surfaces, the active concentration of the Mold Fresh formulation causes the functions of bacteria to break down, resulting in the prevention of bacterial growth.



Applications of Mold Fresh

1. Used to prevent leather products from fungus and bacteria.
2. It also helps in removing fungus and bacteria from the leather product under attack.
3. Additionally, it can be used as a spray in cartons to prevent bacterial attack and infection.

How To Apply

Can be applied by wearing gloves and using a sponge on the surface of the leather or leather products.

It can also be sprayed using a spray gun at approximately 4 bars (60 psi).

Benefits of using Mold Fresh

It continues to work even after cleaning the product to which it is applied.

It is kind to human skin.

It reduces mold growth during shipping.

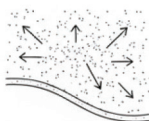
LEATHER PRODUCT SURFACE



BACTERIA INHIBITED



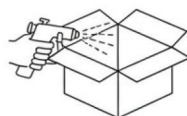
HAND APPLICATION



FINE-PARTICLE ACTION



SPRAY GUN – 4 bar / 60 psi



CARTON PROTECTION

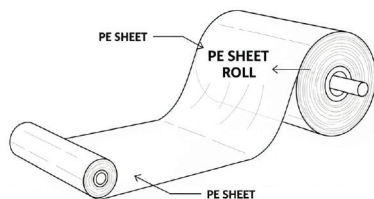
ENSHEILD PE SHEETS

● REACH COMPLIANT ● DMF FREE

To protect each of your bags, wallets, and other products we bring to you PE Sheets. EnSheild PE Sheets continue to protect each of your products from mold, fungi and bacteria. It is DMF Free and made in compliance with Reach standards.

EnSheild Protected Packaging PE Sheets are made from food-grade components in a recyclable Low-Density Polyethylene (LDPE) base.

Each roll of EnSheild PE Sheets comes in a vacuum packed sealed foil pouch.



Application

EnSheild Protected Packaging PE Sheets works exactly like EnSheild Protected Packaging Stickers only the form has changed from stickers to sheets on the theory of Direct Product Application

Available Sizes

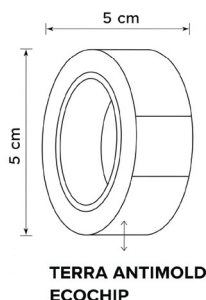
- 16 x 8 cm
- 25 x 25 cm

TERRA ANTIMOLD ECOCHIP

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The TERRA Anti mold Ecochip is an environmentally friendly, durable solution made from paper material utilizing non-toxic anti-mold ingredients that have no side effects on the product.

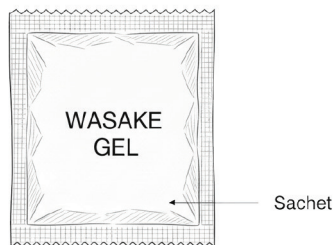
This ecochip effectively protects goods from mold during storage and shipment, ensuring customers receive clean, fresh, and odor-free products.



The mechanism involves the active molecules being evenly released into the space; these potent anti-mold factors possess penetrating power that can promptly invade the cell wall and cell membrane of any spore, thereby preventing bacteria or fungal growth. The anti-mold ingredients mentioned include acid and alcohol.

WASAKE GEL

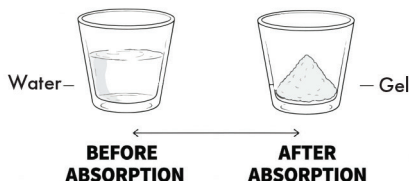
Wasake Gel is an eco-friendly and modified version of the conventional Silica Gel with capacities several times more as compared to it. The product complies with the new regulations like Reach and does not contain any of the banned substances like DMF and Cobalt Chloride. Wasake Gel is also eco-friendly.



Available Sizes

- 1 gram
- 2 gram
- 4 gram

The efficiency of Wasake Gel can be gauged compared to conventional Silica Gel by simple practical experiments. This can be demonstrated at your premises also/when our technical expert visits you or can be done in house on the basis of instructions given.



Technical Specifications

Wasake Gel has technical specifications which help you decide on the quantity to be used inside the carton depending on the size of the carton.



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