

Container desiccants

ES K 1000 g

Product



Product description

ES K are container desiccants in 1000 g bags with a mounting hook. The filling is a granulate of natural clay with calcium chloride, which absorbs water vapour from the air inside the container and prevents condensation on the cargo. The absorbed water is retained inside the bag: the product does not drip even at full saturation. The nonwoven bag has a plastic hook for hanging on the container wall.

Product features / advantages

- rapid absorption of moisture, preventing condensation on the cargo,
- high absorption capacity: up to 80% of its own weight,
- long-life action for trips of up to 60 days,
- does not drip, even when fully saturated,
- quick and easy to install and remove, thanks to the hook.

Product application

- protection of cargo in 20' and 40' containers against container rain and condensation,
- agricultural and food commodities: rice, coffee, cocoa, flour, pepper, powdered milk, nuts, condiments,
- machinery, household appliances, electronics, textiles, glass, detergents, PVC paste,
- sea transport on routes of up to 60 days.

Physical and chemical parameters

Parameter	Value
Composition	Calcium chloride (CaCl_2 , CAS 10043-52-4) and natural clay
Material form	1000 g nonwoven bag with a plastic hook
Water vapour absorption capacity (25 °C)	RH = 20%: up to 19% w/w RH = 40%: up to 30% w/w RH = 95%: up to 80% w/w
Service life	Trips of up to 60 days
Bag dimensions	250 × 200 × 20 mm
Shelf life	24 months in unopened packaging
Storage conditions	5-30 °C, dry room
HS code	2508 40 00

Product designation

ES K container desiccants are designed to remove moisture from the air inside a container. The calcium chloride in the granulate binds water vapour and the absorbed water is retained inside the bag. After removing them from the collective bag, the bags are hung by their hooks on the side walls of the container. The number of bags depends on the type of cargo, the packaging materials and the transit time; we can calculate the quantity for a specific shipment on request.

Product storage

Before use, store in the closed collective bag, in a dry room at 5-30 °C. Open the collective bag immediately before installation in the container: contact with air before installation reduces the capacity of the product. Keep any unused bags in an airtight container.

Product packing

Bag material

Nonwoven material with a plastic hook.

Collective packaging

The bags are packed in an airtight plastic bag, which protects them against premature absorption of moisture during transport and storage.

Outer packaging

The collective bag is packed into a cardboard box: 12 pcs. per box (12 kg of desiccant). The box is marked with the manufacturing date, expiry date and batch number.

Norms / Standards / Approvals

Compliance with legislation

ES K container desiccants meet the requirements of:

- Regulation (EC) No 1907/2006 (REACH): free from dimethyl fumarate (Annex XVII, entry 61),
- Directive 2011/65/EU (RoHS).

Approvals

Approved for use in containers with products from organic agriculture (ECOCERT). A safety data sheet is available on request.

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