

DETIA DEGESCH

FUMIGATION SOLUTIONS

AN INTERNATIONAL COMPANY FOR
STORED PRODUCT PROTECTION



- » No ozone layer depletion
- » Occupational safety
- » Free of product residues
- » Flavor and aroma of stored goods will not be impaired
- » Effective against stored products pests including eggs and pupae
- » Safe and easy application
- » Product of choice for sensitive goods and packed commodities
- » Highly effective at low temperatures
- » Quick release of phosphine

DETIA DEGESCH GMBH

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MAGTOXIN[®] DEGESCH PLATE

N_o1 FUMIGATION SOLUTIONS WORLDWIDE

PRODUCT INFORMATION

The Degesch Plate/Strip is a magnesium phosphide based formulations, which releases hydrogen phosphide upon exposure to atmospheric moisture. The active ingredients are embedded in an inert, plastic matrix and fabricated in the form of a semi-rigid plate covered on both sides with a moisture-permeable paper. Each Degesch Plate/Strip is individually sealed in a gas-impermeable foil pouch. Once removed from the foil pouches, Degesch Plate/Strip starts evolving hydrogen phosphide only after a short, but sufficient delay period.

Hydrogen phosphide evolved from Degesch Plate/Strip has been found effective for the control of all developmental stages of stored product insects such as Cigarette Beetle, Lesser Grain Borer, Granary and Rice Weevil, Red and Confused Flour Beetle, Moths and many others).

Quality of flavor, taste, color etc. of treated products are not adversely affected. In addition to its excellent insecticidal properties, hydrogen phosphide diffuses very rapidly and easily, penetrates packing materials like jute bags, paper, wood or synthetic materials, the same applies to densely packed commodities such as tobacco in cases, bales, or hogsheads.

FIELD OF APPLICATION

Degesch Plate/Strip is intended to be used for packaged or bagged goods and processed commodities, i.e. Tobacco, grain, rice seeds, animal feed, coffee, cocoa, cocoa beans, tea, herbs, nuts, cotton, jute, tobacco, pulses, flour, spices, chocolate, candy, etc. Degesch Plate/Strip can be applied successfully under almost all storage conditions, provided that the structure is tightly sealed. An accurate count of the Plates/Strips is to be kept since the Plates/Strips must be removed after the fumigation.

DOSAGE AND EXPOSURE TIME

Dosage and exposure time depend on a number of factors such as temperature and humidity, type and sealing of storage, commodity and packing, type of stored product pest to be controlled.

The speed of decomposition depends on two factors, namely, the humidity and the temperature of the room respectively the commodity. When humidity and the temperature to which the Plates are exposed are high, decomposition will require minimum 3 days. However, at moderate temperatures and low humidity, decomposition will take longer.

Detia Degesch has developed its recommended standard dosages and exposure time to achieve successful fumigation. The summary of a good fumigation practice is documented in the Detia Degesch Fumigation Standard.

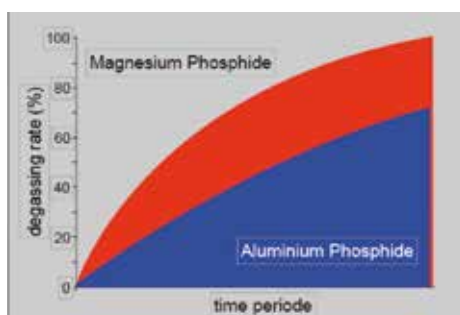


For more information, please contact us at export@detia-degesch.de.

CORESTA STANDARD OF FUMIGATION

CORESTA recommends new minimum requirements for PH₃ fumigations of densely packed tobacco. Fumigation is only recommended when tobacco temperatures are above 16° C.

A minimum concentration of 300 ppm (in the centre of the tobacco bale/carton) is required for 6 consecutive days at tobacco temperatures between 16° - 20° C. At tobacco temperatures above 20° C the required minimum concentration is 200 ppm (in the centre of the tobacco bale/carton) for 4 consecutive days. The dosage ranges are recommended for the various types of fumigations unless otherwise specified by local regulations.



PRODUCT SPECIFICATION

	DEGESCH Plate	DEGESCH Strip
Weight	approx. 117 g	approx. 2340 g
Dimensions	280x170x4,5 mm	5600x170x4,5 mm
Release of PH	33 g/Plate	660 g/Strip
Packaging	120 Plates or 6 Strips in individually sealed gas-impermeable aluminium pouches in drums (net weight 14.04 kg)	
Gross weight	20,5 kg	18,0 kg