

The first product registered with the revolutionary Partix™ technology

From innovation to
reality:
consistently performs
on any surface type

envu™



K-Othrine® Partix™ gives pest controllers the power to control a broad spectrum of pests on any surface

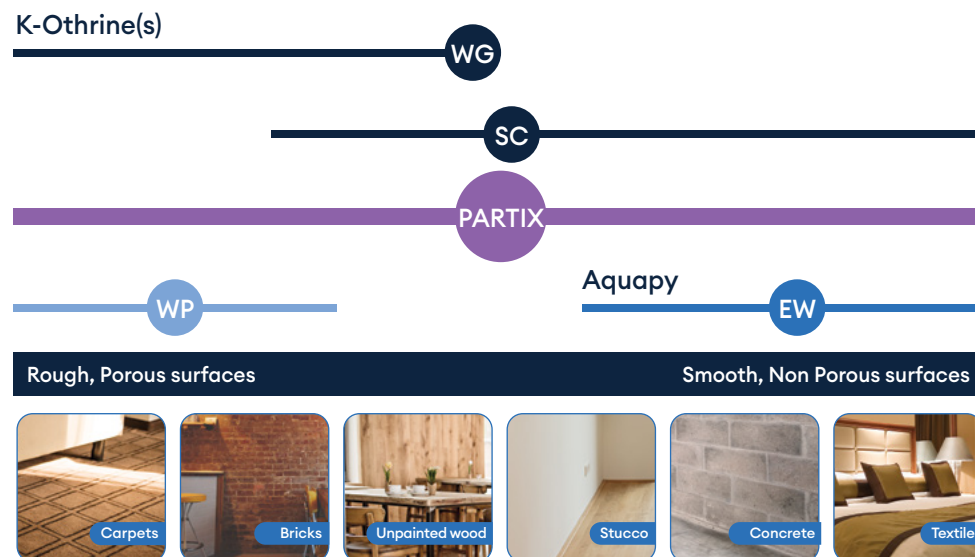
Partix™ technology from innovation to reality

K-Othrine® Partix™ is the first product registered with the new Partix™ formulation technology that gives pest controllers the power to control a broad spectrum of pests on any surface:

- Excellent performance even on porous surfaces.
- Even distribution and more bioavailability of the active ingredient up to 12 weeks.
- Powerful on a broad spectrum of pests, including bed bugs.
- Significant reduction in the active substance levels in the environment. (25ml of Partix is equal to 50 ml of Deltamethrin based traditional SC formulations, thanks to new formulation technology.)

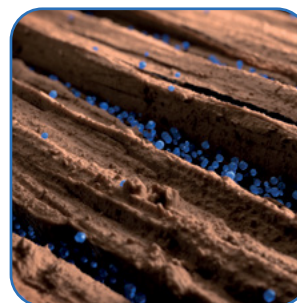
Porous surfaces are everywhere and represent a complex challenge for pest controllers.

Impact of formulation types:



The current formulations fail to deliver good results on these surfaces due to the absorption and loss of the active ingredient into cracks.

Thanks to the new Partix™ formulation technology, the active ingredient is incorporated into 10x larger particles to prevent absorption and stay on top of surface.



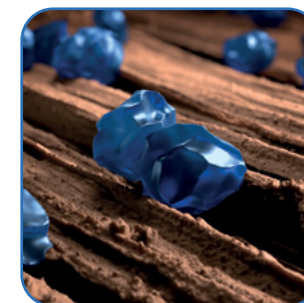
Suspension Concentrate

Most of the AI falls into the cracks of the surface.



Microcapsulation

The AI still gets absorbed after released. Oil-based formulations can also stain.



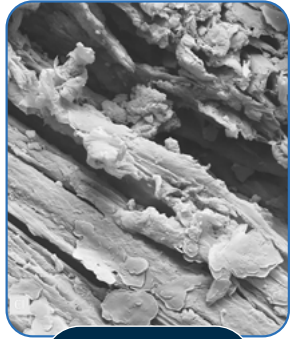
PARTIX™

The AI is incorporated into large, solid particles to stay on top.

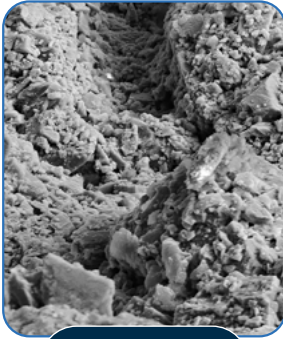
Porous surfaces are no longer a legitimate excuse

Porous surfaces such as unpainted wood, stucco, concrete or textile are found in almost every environment.

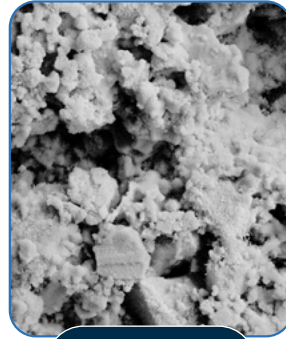
These surfaces are not truly smooth – take a closer look at 500x magnification.



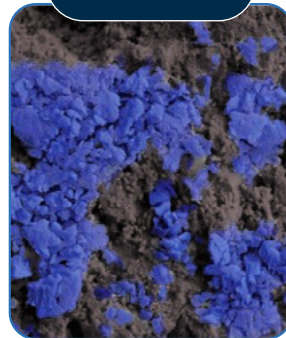
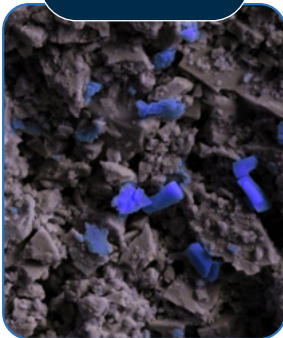
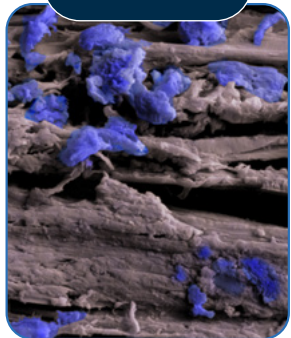
Concrete



Stucco



Wood



Performance taken further

The particles containing the active substance are also solid and have irregular shapes to remain evenly distributed on top of surface for up to 12 weeks, which means:

- More of the active ingredient is available to be picked up by insects.
- Less need for re-application and callbacks.
- Excellent and consistent results on all surfaces with every application.

One bottle covers for many types of pests and jobs

Powerful on a broad spectrum of pest

Deltamethrin is the trusted active ingredient within K-Othrine Partix™, known for its high efficacy on a broad spectrum of insect pests.



Spider



Cockroach



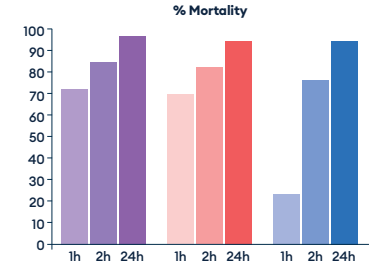
Wasp



Fly



Bed Bug



K-Othrine Partix Dose Rates		
Before use, always read the label and product information first upon the product.		
Uses	Dose rate (for 100 m ²)	Residuality
Control of crawling insects (including cockroaches) indoor	Dilute 25 mL of K-Othrine Partix in water up to 4,975 liters	Effective up to 12 weeks
Control of bedbugs indoor	2 treatments are required. Respective Dose rates Dilute 50 mL of K-Othrine Partix in water up to 4,95 liters 4 days later Dilute 25 mL of K-Othrine Partix in water up to 4,975 liters	Effective for 12 weeks
Control of spiders indoor	Dilute 25 mL of K-Othrine Partix in water up to 4,975 liters	Effective for 8 weeks
Control of flies (including house fly, adults) when at rest indoor	Dilute 25 mL of K-Othrine Partix in water up to 4,975 liters	Effective for 5 weeks
Control of wasps in free hanging nest	Dilute 10 mL of K-Othrine Partix in water up to 1 liter 200 ml diluted product / nest	Complete nest elimination is achieved within 1-2 weeks

Good spraying practices with Partix™ formulation

We recommend flat fan or cone nozzles that are delivering between 0.3 and 0.65 liter per minute at a nominal pressure of 2 bar. These nozzles carry the digits 01, 015 or 02 at the end or are color-coded as below: **orange, green or yellow**. The green nozzle is rarely seen but would work if used.

We do not recommend fine misting nozzles as they may be clogging up early, especially if technicians leave diluted spray in the tank over the weekend.

	BAR	TROP- FEN- GROSSE 80° 110°	L/min JE DOSE
XR8001 XR11001 (100)	1,0	F	0,23
	1,5	F	0,28
	2,0	F	0,32
	2,5	F	0,36
	3,0	F	0,39
XR80015 XR110015 (100)	4,0	VF	0,45
	1,0	M	0,34
	1,5	F	0,42
	2,0	F	0,48
	2,5	F	0,54
XR8002 XR11002 (50)	3,0	F	0,59
	4,0	F	0,68
	1,0	M	0,46
	1,5	F	0,56
	2,0	F	0,65
	2,5	F	0,72
	3,0	F	0,79
	4,0	F	0,91

Application experience

If any overdosing during treatment / accident

Creation of a puddle of product, take absorbent paper and clean the surface within 30 minutes of the incident. Keep your protective gear and gloves on. Throw away this soiled paper as toxic waste, on the same level as K-Othrine.



The new Nashville bottle



To help decrease the environmental impact by reducing the plastic and packaging content.

- «Tip and Pour»**
500ml (covers 2000 m²).
- 39% reduction**
of CO².
- Allows more**
accurate measuring compared
to traditional «squeeze and pour».
- 44% less**
consumption of non-renewable
fossil materials.
- More user friendly**
experience for ease of handling.
- 50% less**
storage needed.
- Compared to standard**
500 ml bottle covers 1000 m².
- 33% reduction**
of plastic consumption.



How to use the Nashville bottle

The formulation is thick and it is important to read the level of product in dosage chamber correctly.



Ideal for rotation on bed bugs

Four reasons to add K-Othrine Partix™ to your bed bug toolbox:

- Due to the advanced Partix™ technology, it offers a quick knockdown.
- The label allows application on the mattress.
- Excellent performance and stability (for storage and hot surfaces) in high temperatures. You can follow up the K-othrine Partix with hot control technic till 80°C max.
- It does not stain or cause unpleasant odour for discrete treatment.

Bed bugs example of all porous surfaces



Bed bug chemical treatment program

Concept / to adapt to your site & customer

Number of adults	Infestation level	Number of treatments	First applications	Follow up / treatments
≤10	Low	2	1 st : Day O 2 nd : D from 8 to 20	Just check with customer if any new infestation in the next 3 months
11- 50	Middle	2	1 st : Day O 2 nd : D from 8 to 20	3 rd : D from 40 to 50
		3 no customer support	1 st : Day O 2 nd : D from 8 to 15	3 rd : D from 30 to 40 4 th : eventual last treatment D90
≥50	High	4 with customer cooperation	1 st : Day O 2 nd : D from 8 to 15	3 rd : D from 30 to 40 4 th : D from 60 to 90 + customer follow up for 6 months



Envu was founded in 2022, a new company built on years of Bayer experience, for the sole purpose of advancing healthy environments for everyone, everywhere. We offer dedicated services in: Professional Pest Management, Forestry, Ornamentals, Golf, Industrial Vegetation Management, Lawn & Landscape, Mosquito Management, and Range & Pasture.

Across each of our lines of business, we focus our work in chemistry and beyond, collaborating with our customers to come up with innovative solutions that will work today and well into the future.

Products for professional usage only: Use biocidal products with caution. Before use, read the label and product information.

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