



Residual knockdown insecticide

Permex 22 E®

A liquid insecticide with a high knockdown rate and prolonged residual activity. For use in public hygiene, food storage, agricultural premises and stables.

**Permethrin 11.37% w/w (117.1 g/L) + Tetramethrin 1.64% w/w (16.9 g/L)
+ PBO 6.40% w/w (65.9 g/L)**

What is Permex 22 E®?

Permex 22 E® is a water-based microemulsion insecticide containing the active ingredients permethrin and tetramethrin, along with the synergist piperonyl butoxide (PBO). This water-based formulation is suitable for use in a wide range of environments.

Benefits of Permex 22 E®:

- **Broad-spectrum insect control**
- **Approved for use in a wide range of environments**
- **Residual control – reducing call-backs**
- **Rapid knockdown – fast visible results**
- **Enhanced performance on difficult surfaces**
- **Low mammalian toxicity**
- **Measuring bottle – ensuring optimum operator safety**
- **Non-staining**
- **Minimal odour**

Application Environments:

- Domestic premises
- Commercial buildings
- Industrial premises
- Kitchens
- Hospitals (excluding occupied wards)
- Military establishments
- Food storage and preparation areas
- Bulk milk rooms
- Dairies
- Milking parlours
- Animal rearing facilities
- Animal and avian houses
- In and around farm buildings

Not suitable for direct application to animals.

Active Ingredients:

Permethrin 11.37% w/w (117.1 g/L) + Tetramethrin 1.64% w/w (16.9 g/L) + PBO 6.40% w/w (65.9 g/L)

Mode of Action:

Permethrin: Residual pyrethroid insecticide with contact and stomach action.

Tetramethrin: Non-residual pyrethroid insecticide with rapid knockdown action.

PBO: Inhibits the natural defence mechanisms of the insect.

Target Pests:

- Ants
- Black flies
- Chironomids
- Cockroaches
- Dermestidae
- Fleas
- Flies
- Flour beetles
- Lasiodermas
- Mosquitoes
- Moths
- Silverfish
- Wasps



Formulation

What is a microemulsion?

Microemulsion formulations consist of active ingredients combined with surfactant and solvent to form an emulsion when added to water. Mixing easily with water, microemulsions form a stable solution for application.

How Does Permex 22 E[®] Work?

Permex 22 E[®] contains two synthetic pyrethroids, permethrin and tetramethrin, along with the synergist piperonyl butoxide (PBO). These ingredients ensure a rapid knockdown effect as well as prolonged residual activity, with PBO optimising the killing effect of the pyrethroids, resulting in an instant visible reduction in insect pests upon application.



Application Recommendations:

Surface spray, spot, crack and crevice treatment

	Rate	Water	Area
Surface spray	Light infestation – 30 ml Heavy infestation – 100 ml	10 L	10 - 15 m²

Spray all infested areas, giving special attention to cracks, crevices, dead spaces and harbourages.
Apply product using a hand operated or motor driven sprayer.

Use biocides safely. Always read the label and product information before use.

Hockley International

Permost CS

Contains:
permethrin 25%



Permex 22 E

Contains:
permethrin
12.36%, +
tetramethrin
1.64% + PBO
6.40%



Piretrox

Contains:
natural
pyrethrum 1.25%



Permost Uni Fly Spray

Contains:
permethrin
0.25%
+ tetramethrin
0.1%
+ PBO 0.3%



Tetrapiu

Contains:
permethrin
0.15% +
tetramethrin
0.06% + PBO
0.3%



Piretrox PU

Contains:
natural
pyrethrum 0.3%
+ PBO 3%



Py-Pro Super

Contains:
natural
pyrethrum 0.3%
+ PBO 3%



SoFast

Contains:
imidacloprid
0.5% +
(z)-9-tricosene



HokoEx

Contains:
cyromazine 2%



To discuss our range of products, please call **+44 (0) 161 209 7400** or email: **mail@hockley.co.uk**

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