

A new era of formulation technology

Suspend Flexx is a new, innovative general insecticide containing leading-edge patented Solid Particle formulation technology.

Scientifically-proven to maximise the active ingredient, this world-first technology allows the active to be more readily available on surfaces and enhances the efficacy and residual effectiveness.

Features and Benefits

- // Flexibility of application rates
- // More bioavailability of the active substance for up to 12 weeks
- // Patented leading-edge Solid Particle formulation technology
- // Broad spectrum of activity
- // Excellent for use outdoors - bricks, mulch, render, concrete
- // Cost effective
- // Spray with confidence

New class of microcap:

- // Not a capsule suspension
- // Not a microemulsion
- // Formulation is a matrix capsule

Unique feature, differentiating from other micro caps:

- // They are larger with a range of 15-30 μm
- // AI is not encapsulated inside but AI is concentrated up on the surface (Solid Particle concept)

Target Pests

- // Cockroaches and Flies

Areas of Use

- // Internal and external areas and surroundings of domestic, commercial, industrial, and public buildings and structures, including farm buildings, meatworks, and poultry sheds.

Areas of Use Usage table

Required dose	Amount of product	Dilute in	Sufficient for
12.5 mg/m ²	50 ml	5 liters	100 m ²
6.5 mg/m ²	25 ml	5 liters	100 m ²
3.125 mg/m ²	12.5 ml	5 liters	100 m ²

FOR MORE INFORMATION

envu[™]

2022 ENVIRONMENTAL SCIENCE FR SAS
1 Place Giovanni Da Verrazzano 69009 Lyon, France
www.envu.com

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A&B
Summit Distribution Inc.

Phone: (02) 8642-1346 / (02) 8775-7542
Mobile: 0917-702-1546 / 0917-716-2116
E-mail: customerservice@ab-summit.com
Website: www.ab-summit.com

 **SUSPEND**[®]
Flexx



**Affordable innovation
for maintenance applications
on complex surfaces.**



New Solid Particle formulation

SC formulation

Oil-based microcapsules

A winning combination

One of the key inert ingredients formulated in Suspend Flexx is Camauba Wax. This food grade ingredient (also used in confectionery manufacture) introduces a number of benefits which improve the life of the formulation, increase surface spread and assists in providing consistent and impressive results with every application.

Key benefits

- // Protects the active substance from surrounding environmental conditions
- // Reduces degradation from different surfaces containing alkaline materials such as concrete that would otherwise speed up the breakdown of the active substance
- // Protects the product from moisture and UV both of which can accelerate the degradation of the spray mix
- // Helps to increase the surface coverage
- // Reduces the use of solvents by a factor of 5
- // Produces consistent results
- // Doesn't leave any residual traces or stains from application

A complete solution from ENVU

We recommend that Suspend Flexx is used in rotation with other insecticides which contain a different active ingredient. Pests can become tolerant to chemical solutions therefore rotating the insecticide products allows for a better chance of consistent control.

Solid Particle formulation

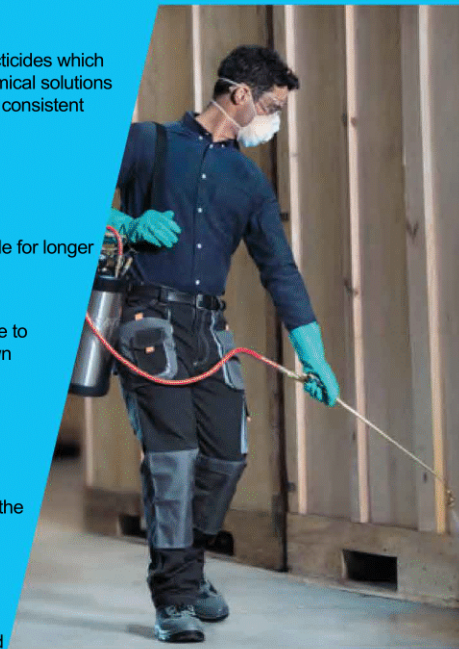
Key benefits

- // The solid particles will endure difficult conditions and remain available for longer time on complex surfaces (up to 12 weeks)
- // Does not damage the surface or leave any visible stain or odour
- // Unlike microencapsulated formulations, active substance is available to make more contact with target pests without reducing the knockdown speed

Microencapsulation formulation

Key benefits

- // Can breakdown releasing the active substance to be absorbed into the surface
- // Slow release of the active substance slows down the knockdown
- // When used on absorbent surfaces, the active substance still gets absorbed into the cracks
- // Oil-based microcapsule formulations can leave stains on the applied surfaces



Designed by Pest Controllers *for Pest Controllers.*

Suspend Flexx gives pest controllers the power to control a broad spectrum of pests on any surface, while significantly reducing active substance levels in the environment (-50%). The new Solid Particle technology means that the bioavailability of the active substance is vastly increased. This technology has been combined with the active substance Deltamethrin which has been a proven tool in a pest managers toolbox. Suspend Flexx will give you the upper hand in the treatment of target pests with every application.

Key benefits

- // Excellent performance on all surfaces, even absorbent ones (i.e. wood, stucco and concrete)
- // More bioavailability of the active substance for up to 12 weeks
- // First registered product with the new Solid Particle formulation technology.
- // Significantly reduces active substance levels in the environment
- // Effective on a broad spectrum of insect pests

Consistently performs on any surface type

- // Current formulations face challenges of delivering consistent efficacy on a variety of different surface types.
- // Surfaces that appear smooth to the naked eye aren't truly smooth. When a surface is magnified the real complexity is evident (see fig 1 applied to wood at 100x magnification.)
- // Active substance particles can fall into the small microchasmms of complex surfaces leaving less insecticide available (bioavailability) for the target insect to come into contact with
- // Can result in callbacks and create additional and unnecessary costs
- // Suspend Flexx now gives pest managers a reliable and consistent solution by delivering the latest formulation innovation with every application

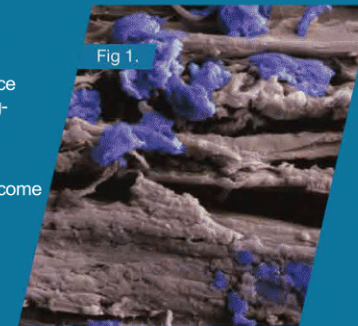
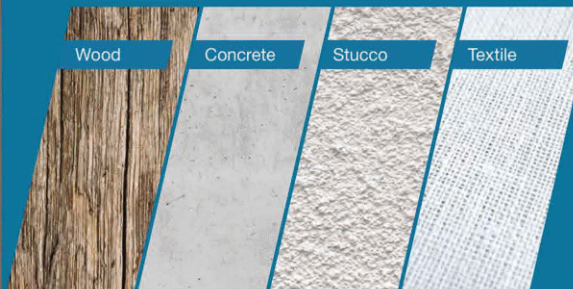


Fig 1.



- // These surfaces absorb the product and a reduced amount of active substance remains on top of the surface for insects to pick up.
- // Almost every environment has absorbent surfaces such as wood, concrete, stucco or textile.
- // It is also important to use a product that does not stain or damage these surfaces

A New Innovative Technology

Suspend Flexx is a new patented formulation that combats the problem of insecticides delivering inconsistent efficacy on different treatment surfaces. A number of innovative solutions are incorporated into the Solid Particle, increasing the performance of the active substance, while helping reduce callbacks and re-applications. Thus, tackling this problem like never before.

With the new Solid Particle technology, the active substance is embedded into larger solid particles. The particles are approximately 10 times larger than traditional formulations (e.g. Supervision Concentrates (SC) which prevents the loss of valuable product into microchasmms and increases the bioavailability on these complex surfaces.