

"Live Free"

BEDBUG BARRIER SYSTEMS

Effectively Controls: Bedbugs, Fleas,
Ticks, Mites, Scabies, Silverfish, Carpet Beetles,
Cockroaches & German Cockroaches



Live Free Bedbug Quick Start Information Guide

1. Bedbugs & Their Behavior

• Exoskeleton (exterior) insects

- Feed on blood (only)
- Life cycle: egg – nymph – adult requires blood meal to progress thru growth stages
- Can live 1 year +
- Depending on number of feedings, female can produce hundred's of eggs over lifetime

• Cryptic & Nocturnal

- Live hidden in cracks, crevices, behind or under objects
- Become active at night, normally in early morning hours
- Attracted to CO2 produced by humans and body heat & move to it
- Once they find blood meal, they may bite several times to find proper feeding location and will return to their hiding space after feeding

• General Facts

- Bedbugs crawl and jump but do not fly
- Hitchhikers..... primary method of moving from place to place is in boxes, containers, luggage etc.....
- Developing resistance to approved chemical agents
- Health & Liability costs associated with bedbugs are escalating rapidly.
- Increasing evidence that bedbug bites can cause infection and transmit disease
- Beyond physical damage, the mental trauma/anguish of bedbug bites can paralyze people and make them fearful of bugs being in their own home.
- Cost to eradicate in homes now can be thousands of dollars with loss of personal possessions and furniture.
- Hotels and property owners are seeing more claims and law suites filed

2. Concept & Strategy of KiltronX Products

- Create a *barrier* between the bedbugs and humans so that as they nest and move they will encounter and move across the KiltronX products.
- KiltronX textiles are the vehicle (carrier) that is used to deploy the killing compound – KiltreX

- KiltreX is a proprietary compound that includes diatomaceous earth, soybean extracts and other inert ingredients.
- KiltreX is "green" compound. EPA Exempt & "FDA Gras"
- It acts as a "passive" killer in that it is in place and ready for a bug to crawl across fabric surface.
- Shelf life is 1-2 years. (Can't be washed or saturated with water)
- It was develop based on organic farming pest control technology
- KiltreX (microscopic powder) is released from the KiltronX fabrics and bugs move across them and coats the exterior / skeleton of the bug.
- KiltreX interrupts the normal function of the skeleton of the bug and kills it through mechanical action rather than through an ingested poison.
- KiltronX products are designed to work together to provide an integrated solution. (Work from outside perimeter of room inward to furniture)

- **Installation & Maintenance** - See detailed instruction pages

3. General Comments

- Mattress encasements are great for protecting mattress but do nothing to protect people
- Focus must move away from the bed only toward attacking the problem at the room / home level. Find hiding places and place KiltronX products there.
- Current chemical methods are limited:
 - Increasing resistance
 - Do not support long term control due to limited residual life after application
- Heat
 - Very expensive
 - Can damage personal items
 - Bugs retreat into walls and deep into furniture (use as insulation) to avoid heat. Scatters them rather than kills them in many cases.

