

FOSSIL SHIELD®

professional protection

Professional protection
against the **Red Mite** in
poultry production



Stops the Red Mite

**Revolutionised
effectiveness**



Works 12 x faster*



Protects up to 2x longer*



Also adheres to oily
surfaces*

* in comparison to diatomaceous
earth products



www.fossil-shield.de



Profile - the red mite

Latin: *Dermanyssus gallinae*

Size: 0.5 -1 mm

Colour: grey to red (red colour after feeding)

Development period: 7-9 days depending on temperature and humidity

Activity: Although the red poultry mite is nocturnal, it can also be found on the chickens during the day if infestation is heavy.

Mite eggs: The female lays about 20 eggs every 2-3 days (a female can produce up to one million offspring within 8 weeks).

Temperature sensitivity: Active from 10°C, below which it lapses into torpor (survival times of up to 18 months are possible under these conditions). Mite eggs are also very resistant to cold. Temperatures below minus 20°C and above 50°C kill the mites.

Lifespan: approx. 8 weeks (whereby they can survive starvation periods of up to 34 weeks)





How are barns contaminated with red mites? (vectors)

- Contact with wild birds (bird nests near barns, contact in the open air, etc.)
- Barn flies or insects (from nearby chicken farms, nearby barns)
- Rodents from nearby livestock
- Transport boxes
- Visitors in contact with other barns (personnel, technicians, etc.)
- During the rearing period
- Lack of hygiene



Ideal procedure

- 1.) Destocking
- 2.) Then dust with Fossil Shield® 98.0 white powder in the evening
- 3.) Dry cleaning with possible additional dusting after working hours
- 4.) Wet cleaning of the entire barn incl. equipment, also manure belt ventilation ducts etc.
- 5.) Cleaning silos, watering lines, etc.
- 6.) Disinfecting silos and watering lines
- 7.) Once dried, thoroughly disinfect barn, including air ducts, etc.
Fossil Shield® Duo Des Kok
- 8.) Once dried, thoroughly coat the barn with Fossil Shield® instant white powder, including manure belt ventilation ducts, etc.
- 9.) Dust perches, cracks, corners, edges, nests, cable conduits, etc. with
Fossil Shield® 90.0 white powder
- 10.) Hang mite traps. After mite infestation, always check each mite trap and mite mirror and repeat treatment promptly.
- 11.) Stable the birds

Typical mite hideouts 3 months after conventional treatment



The images show a facility coated with a conventional diatomaceous earth product. Significant mite infestation is already apparent after three months. This requires immediate action! We recommend speedy treatment with our Fossil Shield® products, which are very effective in highly humid areas due to their water-repellent properties and which are therefore ideally suited not only for prophylactic treatments, but also, as in this case, for follow-up treatments.

The advantages of our Fossil Shield[®] product range

Product

- Works in just a few hours
- Maximum yield and efficiency
- In conformance with the EU biocide directive
- No build-up of resistance
- Perfectly effective at high humidity

Animal

- Prevents disease transmission
- Combats feather-plucking
- Reduced feed intake due to intact plumage
- Consistent laying performance due to less stress
- No blood on the eggs



Our products are approved in Germany



Field studies conducted by renowned German universities between 2017 and 2023 attested an excellent long-term effect.



Worst case tests on chicken eggs, carried out by an accredited German laboratory, showed that no residues of our products could be detected in any of the eggs tested - even when they had been soaked in product suspension for days.



Animal health studies by recognised German universities have proven that all animals have shown no abnormalities after having been in contact with our products.



Efficacy studies by renowned German universities from 2017 to 2023 confirm a consistently high level of effectiveness.



All product container variations have been tested in long-term storage studies at certified laboratories in Germany and can be stored unopened for three years without hesitation.

Revolutionised effectiveness –

The Fossil Shield[®] product range in comparison to conventional diatomaceous earth products



Works 12 x faster

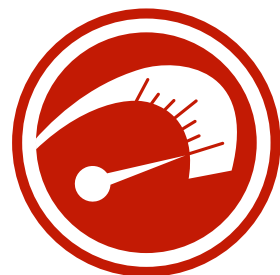


Protects up to twice as long



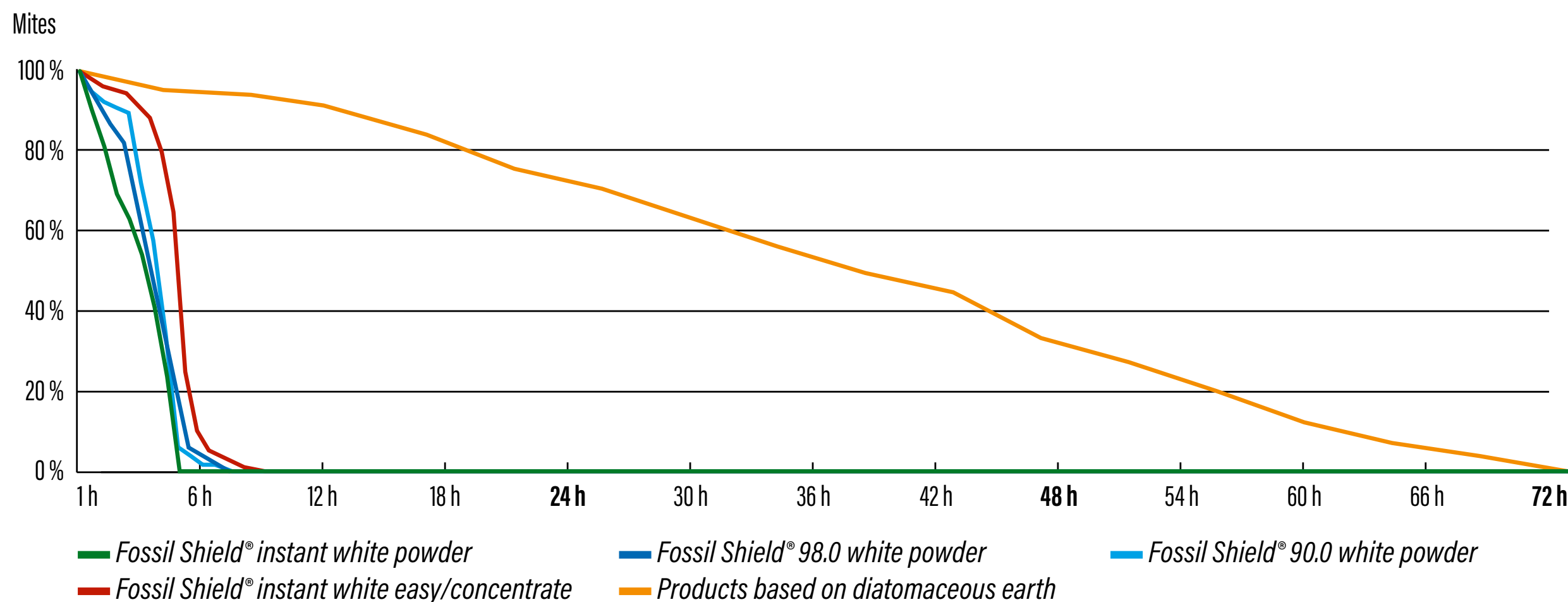
Also adheres to oily surfaces





Works 12 x faster

Efficacy curve of Fossil Shield® products in comparison to conventional diatomaceous earth products.



Fossil Shield® products are effective against the red poultry mite in just a few hours, compared to up to three days with conventional diatomaceous earth products.

Your benefits:



Fossil Shield[®] immediately combats 4 mite stages



Larvae



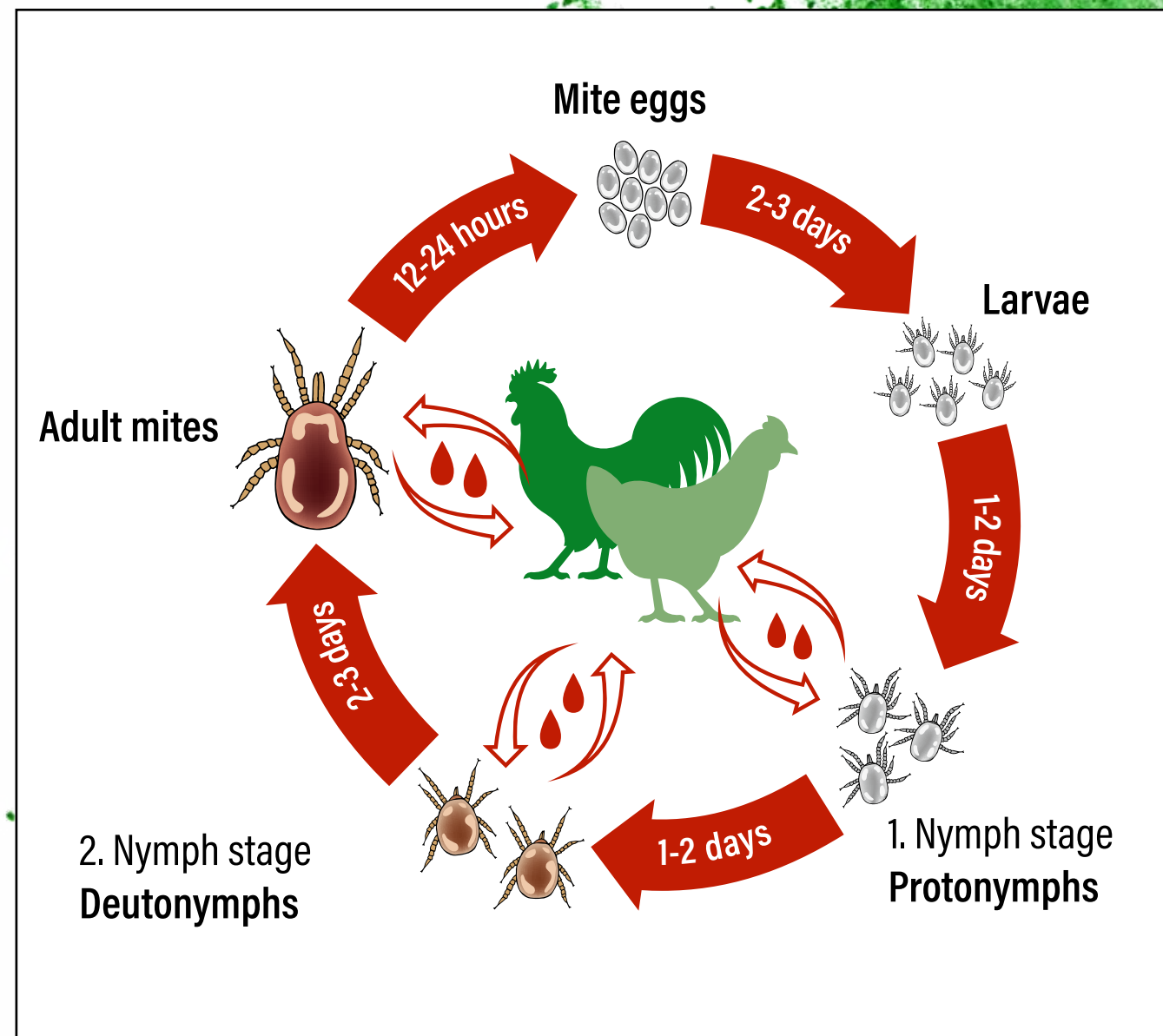
Protonymphs



Deutonymphs



Adult mites



Your benefits:

 **Fossil Shield® products are hydrophobic**



The glasses are filled with the products simultaneously.



The benefits become apparent after only a few seconds.

Practical application of Fossil Shield® products



Protects longer because it is water repellent



Also adheres to oily surfaces



Fossil Shield® products are hydrophobic. As a result, the products work very well and quickly even in very humid environments.



With conventional diatomaceous earth products, moisture penetrates the material. In highly humid environments, this means a very much reduced efficacy against the red poultry mite.

Your benefits:



Fossil Shield[®] protects up to twice as long

Also adheres
to oily
surfaces



In typical mite hideouts, Fossil Shield[®] instant white powder creates a particularly thick deposit, which offers the mites little refuge.

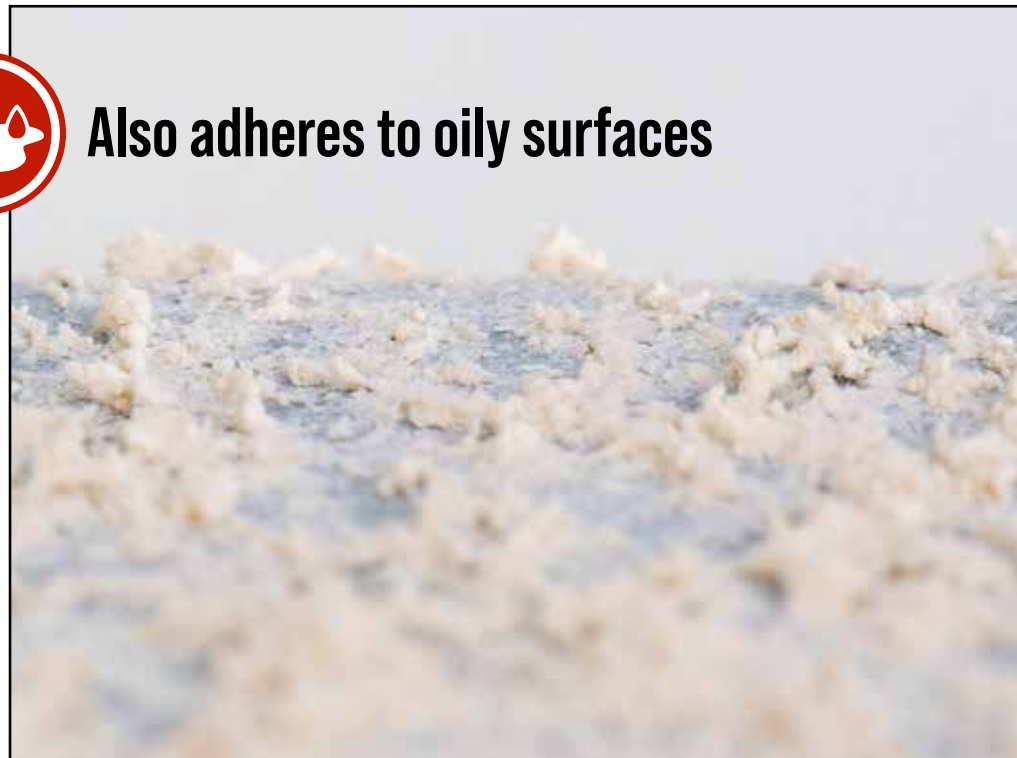


Conventional diatomaceous earth products create courses of water, which provide the mites with numerous hideouts and routes to get to their host animals.

Liquid application of Fossil Shield® instant white powder and Fossil Shield® instant white easy



Also adheres to oily surfaces



The surfaces of Fossil Shield® white powder and Fossil Shield® instant white easy resemble a rough mountain landscape. Mites have to travel much longer distances on their way to the host animal. Due to longer contact, the effect on the mite is significantly stronger.



Also adheres to oily surfaces



In typical mite hideouts (red circles) Fossil Shield® white powder and Fossil Shield® instant white easy create a particularly thick deposit, which offers the mites little refuge.

Liquid application technology

Trigger sprayer



Backpack sprayer



Pump sprayer



Bunting sprayer



300l IBC technology



600l IBC technology



Pressure container technique



Powder application

Fossil Shield® 90.0 powder and Fossil Shield® 98.0 powder

Also adheres
to oily
surfaces



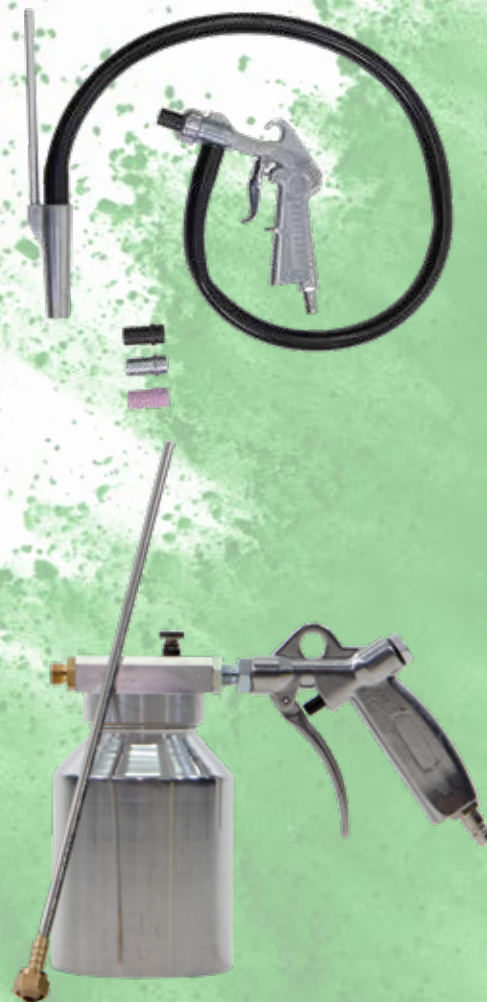
Fossil Shield® 90.0 white powder + 98.0 white powder create a particularly thick build-up at the mites' preferred colony sites (red circles) and offer the animals only a few places of refuge.

Powder application technology

Birchmeier Bobby powder atomiser



Atomiser pistol



Battery-operated backpack atomiser



Hire packages

»Do it yourself« with our professional hire packages

For prevention purposes

300 litre IBC technology + Fossil Shield® Duo Des Kok + Fossil Shield® instant white powder + Fossil Shield® 98.0 white powder incl. dust set for perches



1 week of application time from a net turnover of € 1250.00

For follow-up purposes

Blue Jet rechargeable duster + Fossil Shield® 90.0 white powder



From € 50.00 net per month

Service

What we offer:

- Fossil Shield® instant white powder using the wet spray method
- Fossil Shield® 98.0 white powder using the dusting method
- Air duct coating
- Wet cleaning
- Drinker line cleaning
- Silo cleaning
- Disinfection
- Fossil Shield® 90.0 white powder using the electrostatic method
- Dusting of air ducts with Fossil Shield®
- Dusting of perches
- Wet cleaning with foam cleaner
- Air duct cleaning
- Silo disinfection
- Drinker line disinfection



Fossil Shield[®] products are extremely flexible in their application

 <p>2000</p>	Recommended for barns with up to 2000 animals	 <p>Preventive treatment</p>	 <p>Liquid application</p>
 <p>5000</p>	Recommended for barns with up to 5000 animals	 <p>Follow-up treatment</p>	 <p>Dry application</p>
 <p>5000 +</p>	Recommended for barns with more than 5000 animals		 <p>Dry electrostatic application</p>

Professional product

For commercial use only

Revolutionised effectiveness

-  Works 12 x faster*
-  Protects up to 2x longer*
-  Also adheres to oily surfaces*

* in comparison to diatomaceous earth products



Liquid application Fossil Shield® instant white powder

-  **5000+** Recommended for barns with more than 5000 animals
-  Preventive treatment
-  Follow-up treatment
-  Liquid application



Container sizes

- 10 kg bag
- 33 bags/pallet
- 66 bags/pallet

Made in Germany

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

Professional product

For commercial use only

Liquid application
Fossil Shield® instant white easy



Recommended for
barns with up to
2000 animals



Follow-up
treatment



Liquid application

Revolutionised effectiveness



Works 12 x faster*

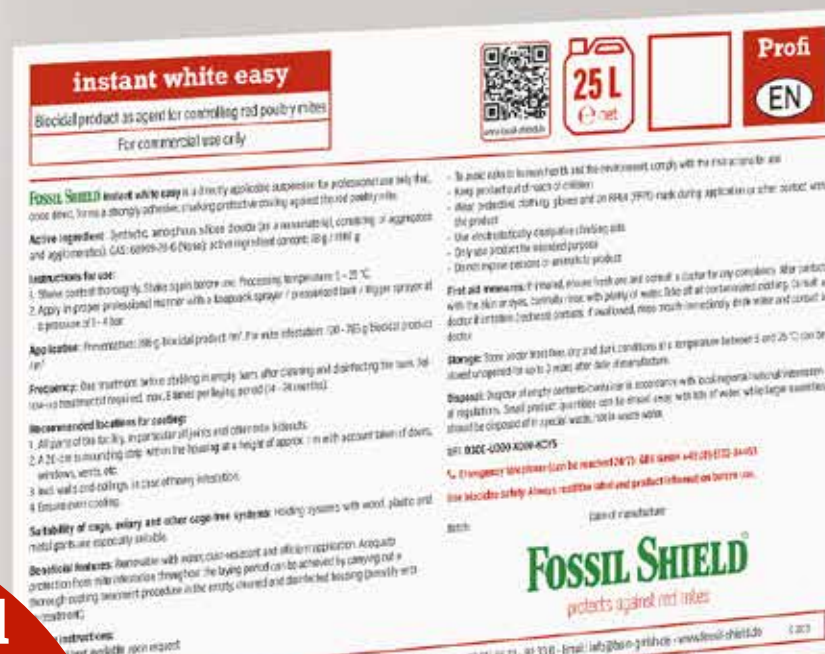


Protects up to 2x longer*



Also adheres to oily
surfaces*

* in comparison to diatomaceous
earth products



Container sizes

- 25 l canister
- 24 units/pallet

Made in Germany

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Professional product

For commercial use only

Liquid application Fossil Shield® instant white ultra

	5000 Recommended for barns with up to 5000 animals
	Preventive treatment
	Follow-up treatment
	Liquid application

Revolutionised effectiveness

-  Works 12 x faster*
-  Protects up to 2x longer*
-  Also adheres to oily surfaces*

* in comparison to diatomaceous earth products

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

Made in Germany

Professional product

For commercial use only

Flüssiganwendung Fossil Shield® instant white concentrate



-  Recommended for barns with up to 5000 animals
-  Preventive treatment
-  Follow-up treatment
-  Liquid application

Revolutionised effectiveness



Works 12 x faster*



Protects up to 2 x longer*



Also adheres to oily surfaces*

* in comparison to diatomaceous earth products



Container sizes

- 30 l bucket
- 18 buckets/pallet

Made in Germany

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

Professional product

For commercial use only



Dry application Fossil Shield® 90.0 white powder

5000+ Recommended for barns with more than 5000 animals

 Follow-up treatment

 Dry electrostatic application

Revolutionised effectiveness



Works 12 x faster*



Protects up to 2x longer*



Also adheres to oily surfaces*

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Container sizes

- 12.5 kg bag
- 33 bags/pallet



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Professional product

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Revolutionised effectiveness

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-  Protects up to 2x longer*
-  Also adheres to oily surfaces*

* in comparison to diatomaceous earth products



Liquid and dry application Fossil Shield® 98.0 white powder

-  **5000** Recommended for barns with up to 5000 animals
-  **5000+** Recommended for barns with more than 5000 animals
-  Follow-up treatment
-  Liquid application
-  Dry application

Container sizes
• 15 kg bag
• 57 bags/pallet



Made in Germany

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Professional product

For commercial use only

Liquid application Fossil Shield® Duo Des Kok



Liquid application



Container sizes

- CA + CB each in 10 l canister
- 20 units CA + 20 units CB/pallet
- 40 units CA/pallet
- 40 units CB/pallet

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

Made in Germany

Monitoring

Available in our shop.



Fossil Shield® mite traps

Ideal for monitoring mite infestation



www.home-shield.shop



Available in our shop.



Fossil Shield® mite mirrors

Ideal for detecting hidden mite nests



www.home-shield.shop



Our Home Shield® products





Your expert when it comes
to professional protection
against the **Red Mite** in
poultry production.

FOSSIL SHIELD®

professional protection

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