



**Natural England**  
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06/08

## Remedial timber treatment products suitable for use in bat roosts<sup>1</sup>

COMPANY & PRODUCT NAME	TYPE <sup>2</sup>	USE <sup>3</sup>	ACTIVE INGREDIENTS	HSE No.
<b>ANTEL (UK) LTD</b>				
Woodworm Killer P	E	P	Permethrin	4044
<b>BIOKIL CROWN LTD</b>				
Ultra-Tech 2000I Insecticide	M	P	Permethrin	7273
Ultra-Tech 2000D	M	P	Permethrin, Propiconazole	6304
Crown Micro Woodworm	M	P	Permethrin	6894
Crown Micro Dual Purpose	M	P	Permethrin, Tri (hexylene glycol) baborate	6895
Crown Timberpaste	P	P	Permethrin	5869
Brokil Boracol 10RH	S	P	Disodium octoborate, Benzalconium chloride	7271
Brokil Boracol 20	S	P	Disodium octoborate	7264
Brushable Boron Gel	P	P	Disodium octoborate	7255
<b>Brand (CUPRINOL) LIMITED</b>				
Wood Preserver (light/dark oak)	S	A	Acypetacs-zinc	4698
Low Odour Wood Preserver Green	S	A	Acypetacs-copper	5448
Decorative Preserver (5 colours)	S	A	Acypetacs-zinc, Dichlofluanid	6277
Decorative Preserver Red Cedar	S	A	Acypetacs-zinc, Dichlofluanid	6280
Low Odour 5 Star Wood Treatment	S	A	Acypetacs-zinc, Permethrin	5445
Low Odour Wet and Dry Rot Killer	S	A	Acypetacs-zinc	5446
Wood preserver clear (IP)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7897
Wood preserver green (P)	S	A	Propiconazole 0.6%	8175
5 star complete wood treatment (FP)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7878
Woodworm killer	S	A	Flufenoxuron 0.02%	7877
Wood preserver (P)	S	A	Propiconazole 0.6%	7946
Trade low odour wood preserver clear (T)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7899
Trade low odour wood preserver green (G)	S	A	Propiconazole 0.6%	8121
Trade low odour 5 star complete wood treatment	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7879
Trade low odour woodworm killer (T)	S	A	Flufenoxuron 0.02%	7876
Trade wood preserver (T)	S	A	Propiconazole 0.6%	7947
Wood preserver clear (IP)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7897
Wood preserver green (P)	S	A	Propiconazole 0.6%	8175
5 star complete wood treatment (FP)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7878
Woodworm killer (F)	S	A	Flufenoxuron 0.02%	7877
Wood preserver (P)	S	A	Propiconazole 0.6%	7946
Trade low odour wood preserver clear (T)	S	A	Propiconazole 0.4%, Iodo propynyl butylcarbamate 0.4%	7899
Trade low odour wood preserver green (TG)	S	A	Propiconazole 0.6%	8121

COMPANY & PRODUCT NAME	TYPE <sup>2</sup>	USE <sup>3</sup>	ACTIVE INGREDIENTS	HSE No.
Trade low odour 5 star complete wood treatment (T)	S	A	Propiconazole 0.6%, Flufenoxuron 0.02%	7879
Trade low odour woodworm killer (T)	S	A	Flufenoxuron 0.02%	7876
Trade wood preserver (T)	S	A	Propiconazole 0.6%	7947
<b>IMPERIAL CHEM IND LTD</b>				
Low Odour Woodworm Killer	S	A	Permethrin	5435
<b>DEAL DIRECT LIMITED</b>				
Dual 8	M	P	Permethrin, Tri (hexylene glycol) baborate	6255
Woodworm Treatment Concentrate	M	P	Permethrin	6249
<b>KINGFISHER CHEMICALS LIMITED</b>				
Ecology Fungicide/Insecticide Concentrate	E	P	Permethrin, Tri (hexylene glycol) baborate	5930
Insecticide/Fungicide	S	P	Permethrin, Tri (hexylene glycol) baborate	5933
KF-8 Insecticide Micro Emulsion Conc.	M	P	Permethrin	5786
KF8 Insecticide Microemulsion Conc.	M	P	Permethrin	6827
KF-8 Dual Purpose Microemulsion Conc.	M	P	Permethrin, Tri (hexylene glycol) baborate	6075
Timberpaste	P	P	Permethrin, Tri hexylalene baborate	6686
Wood Preservative (clear/brown)	S	P	Tri (hexylene glycol) baborate	4012
<b>LAYBOND PRODUCTS LTD</b>				
Timber Protector	S	A	Cypermethrin, 2-Phenylphenol	5369
Wood Preserver (3 colours)	S	A	2-Phenylphenol	5382
<b>N-VIROL LTD</b>				
Woodworm Killer	M	P	Permethrin	8570
Dual FI	M	P	Permethrin, IPBC, Propiconazole	8469
Timber Treatment Paste	P	P	Permethrin, IPBC	8488
Masonry Biocide	M	P	IPBC	8476
N-VIROBOR 10	A	P+A	Disodium Octoborate + Benzalkonium Chloride	8473
N-VIROBOR 20 Gel	P	P	Disodium Octoborate	8475
Algae & Moss Killer	E	P+A	Didecyldimethyl Ammonium Chloride	8669
<b>PALACE CHEMICALS LIMITED</b>				
Ecology Fungicide/Insecticide Concentrate	E	P	Cypermethrin, Tri (hexylene glycol) baborate	3792
Fungicide/Insecticide	S	A	Cypermethrin, Tri (hexylene glycol) baborate	3795
Microfine 8 Insecticide Concentrate	M	P	Permethrin	5809
<b>PERMAGARD PRODUCTS LTD</b>				
Microguard FI conc.	M	P	Permethrin, Boric acid	5854
Microguard Permethrin Conc.	M	P	Permethrin	5741
Microguard Woodworm	W	A	Permethrin	5103
Microguard Mouldicidal Wood Preserver	W	A	Benzalkonium chloride, Boric acid	5100
Permatreat Paste	P	P	Permethrin, Tri hexylene glycol/baborate	4075
<b>PETER COX LIMITED</b>				
Insecticide WSS	M	P	Permethrin	7528
Fungicide WSS	M	P	Propiconazole, IPBC	7516
Masonry Biocide WSS	M	P	IPBC	7509
Timber Gel Ready to Use	P	P	IPBC, Permethrin, Propiconazole	6840

COMPANY & PRODUCT NAME	TYPE <sup>2</sup>	USE <sup>3</sup>	ACTIVE INGREDIENTS	HSE No.
Timber Water Repellent	S	P	IPBC	6621
<b>PROTIM SOLIGNUM LIMITED</b>				
Protim B10	A	A	Disodium octoborate	4971
Protim Insecticidal AQ8	M	P	Permethrin	6526
Protim Universal AQ250	M	P	Permethrin, IPBC	5844
Solignum Green Preservative	S	A	Permethrin, Tri hexylene glycol baborate	7146
Solignum Woodworm Killer	S	A	Permethrin	5002
Solignum Insecticidal AQ8	M	P	Permethrin	6527
Osmose Endcoat	S	A	Tri hexylene glycol baborate	7049
Preservative Gel	P	P	Disodium octoborate + benzalkonium chloride	6528
<b>RENTOKIL INITIAL LIMITED</b>				
Rentokil Woodworm Treatment	S	A	Permethrin	3911
Woodworm Treatment Spray	S	A	Permethrin	5619
Rentokil Woodworm Killer	A	A	Permethrin	4208
Control Fluid SB	A	P	Boric acid, disodium tetraborate	6018
Rentokil Control Paste SB	P	P	Boric acid, disodium tetraborate	6501
<b>RESTORATION UK LIMITED</b>				
Restor-8 Insecticide Conc.	E	P	Permethrin	5962
Restor-8 Dual Purpose Conc.	E	P	Permethrin, Tri hexylene glycol baborate	5963
Omega Biocide	E	P	IPBC	6381
Omega Plus	M	P	Permethrin, Trihexylene glycol baborate	6382
Omega	M	P	Permethrin	6379
<b>SAFEGUARD CHEMICALS LIMITED</b>				
Deepwood 8 Micro Emulsifiable bechzide Conc.	M	P	Permethrin	5664
ProBor 50 Paste	P	P	Disodium octoborate + Dialkyldimethyl ammonium chloride	5596
Safeguard Antiflame 4050 WD	A	P	Disodium octoborate	5656
Micron 8 dual purpose emulsion Conc.	M	P	Permethrin, Trihexylene glycol baborate	5851
Deepwood IV woodwork killer	S	P	Permethrin	3946
Deepwood III timber treatment	S	P	Permethrin, Trihexylene glycol baborate	3937
ProBor 10	A	P	Disodium octoborate + benzalkonium chloride	6595
ProBor DB	A	P	Disodium octoborate	6673
Probor 20 brushable gel	P	P	Disodium octoborate, (DDAC) Dialkyldimethyl ammonium chloride	6422
<b>BASF PLC</b>				
Devatern EC	E	P	Cypermethrin	3875
Devatern 0.5 L	S	A	Cypermethrin	3874
Devatern 1.0 L	S	P	Cypermethrin	3876
Devatern Wood Preserver	S	P	Cypermethrin + Trihexylene glycol baborate	4073
<b>SOVEREIGN CHEMICALS LIMITED</b>				
Sovereign Fungicide/Insecticide	S	P	Flufenoxuron, IPBC, Propiconazole	6828
Sovaq FLX I	M	P	Flufenoxuron	6510
Sovereign Sovaq FLX F/I	M	P	IPBC, Propiconazole + Flufenoxuron	6509
Sovereign Timbor Rod	R	P	Sodium octoborate	4627
Sovereign Deepkill Timber Paste	P	P	Permethrin, IPBC	6084
Sovereign Timber Preservative (Clear)	S	P	Boron ester	3807
Sovac F/I	S	P	IPBC, Propiconazole	6262

COMPANY & PRODUCT NAME	TYPE <sup>2</sup>	USE <sup>3</sup>	ACTIVE INGREDIENTS	HSE No.
Remtox MF8 Microemulsion	M	P	Flufenoxuron	6507
Remtox Micro Dual purpose F/1	K7(M)	P	IPBC, Propiconazole, Flufenoxuron	6871
Remtox Borocol 20 Wood Preservative	E	P	Disodium octoborate	4094
Remtox-Silexine B40 Paste Wood Preservative	P	P	Disodium octoborate	4161
<b>TRITON CHEMICAL MANUFACTURING COMPANY</b>				
Tritec 120	M	P	Permethrin	6539
Tritec 120 Plus	M	P	Permethrin, Propiconazole	6537
Tritec 121	M	P	Permethrin	6541
Tritec 121 Plus	M	P	Permethrin, Propiconazole	6538
Trisol 120	M	P	Propiconazole	6540
Tribor 20	S	P	Disodium octoborate	6242
Tribor Gel	S	P	Disodium octoborate	6099
Tribor Plus	P	P	Disodium octoborate, Permethrin	7549
Tripaste PB	P	P	Permethrin, Tri (hexylene glycol) baborate	6080
Trimethrin 20S	S	P	Permethrin	4621
Trimethrin OS plus	S	P	Permethrin, Tri hexylene glycol baborate	3521
<b>WYKAMOL GROUP incorporating STANHOPE CHEMICAL PRODUCTS &amp; LECTROS INTERNATIONAL LIMITED</b>				
Aquatech Woodworm	M	P	Permethrin	7547
Aquatech Dual	M	P	Permethrin, IPBC, Propiconazole	7596
Brunosol Concentrate 6X	E	P	Sodium 2 phenyl phenoxide	7325
Lectros 8WW	M	P	Permethrin	6398
Lectros Micro 8FI	M	P	Permethrin, Propiconazole, IPBC	6584
Microtech Dual Purpose	M	P	Permethrin, Propiconazole	7338
Microtech WWK25	M	P	Permethrin	7326
Microtreat Insecticide 25X	M	P	Permethrin	6913
Microtreat Dual 12.5X	M	P	Permethrin, Propiconazole, IPBC	6917
Microtreat Insecticide II	M	P	Permethrin	7534
Microtreat Dual II	M	P	Permethrin, Propiconazole, IPBC	7533
Woodtreat Paste	P	P	Permethrin, IPBC	7362
Wykabor 10	A	P	Disodium Octaborate + Benzalkolium chloride	7324
Wykabor 20	S	P	Disodium Octaborate	7518
Wykabor 20 Gel	P	P	Disodium Octaborate	7517
Wykabor 40	P	P	Disodium Octaborate	7307
Wykamol Plus	S	P	Permethrin, IPBC	7303
Wykamol Boron Rods	R	A	Boric oxide	7405

## Notes

- 1 Products on the list are those that have come to the attention of Natural England; other suitable products may also be available. Pre-treatment and decorative products are not included. The efficacy of particular products in particular situations is the responsibility of the manufacturer and no endorsement is given or implied.
- 2
  - S Solvent-based product
  - E Emulsifiable concentrate (solvent); to be diluted with water
  - P Bodied paste
  - A Aqueous solution
  - M Microemulsion concentrate; to be diluted with water to form a microemulsion
  - R Solid rod, for insertion into pre-drilled hole
  - W Ready-for-use microemulsion
- 3
  - P Cleared for professional use only
  - A Cleared for professional and amateur use (a DIY product)

**Natural England's bat advice helpline should be consulted before any known bat roost is treated with any product. The helpline numbers:**

- Cumbria - (Sally Phillips) 01768 776911
- East Midlands region - (Faulks Perry) 01509 672772
- London (Natural England) 0207 9322211
- Rest of England (Bat Conservation Trust) 0845 1300228

**Web:**

<http://www.naturalengland.org.uk/ourwork/regulation/wildlife/species/europeanprotectedspecies.aspx#12>

**Or contact our Enquiries Service (0845 600 3078 or [enquiries@naturalengland.org.uk](mailto:enquiries@naturalengland.org.uk)).**

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### **Biokil Crown Ltd**

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### **Cuprinol Limited**

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### **Deal Direct Ltd**

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### **Kingfisher Chemicals Limited**

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### **Laybond Products Ltd**

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### **N-Virol Ltd.**

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**Restoration UK Limited**

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Fax: 01509 262228

**Safeguard Chemicals Limited**

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[www.safeguardchem.com](http://www.safeguardchem.com)

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**Sovereign Chemicals Limited**

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**Wykamol Group incorporating Stanhope Chemical Products & Lectros International Limited**

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[www.wykamol.net](http://www.wykamol.net) [www.lectros.com](http://www.lectros.com)

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## Use of the list

Because products on the market change frequently and all products for which a company holds an Approval may not be available, it is also possible to specify suitable products by listing their active ingredients. Thus, products which do not appear on the list of specific products above but contain only the active ingredients listed below (singly or in combination) may be considered suitable for use in bat roosts when used as directed.

## Insecticides

Active ingredient	Concentration	Acceptable uses
Permethrin	0.2%	Any remedial use
Cypermethrin	0.1%	Any remedial use
Deltamethrin		
Boric acid, Disodium octaborate, Tri(hexylene glycol) baborate	5-20%	Any remedial use
Flufenoxuron (Flurox <sup>®</sup> )	0.025%	Any remedial use

## Fungicides

Active ingredient	Concentration	Acceptable uses
Boric acid, Disodium octaborate or tetraborate Tri(hexylene glycol) baborate	3.5%	Any suitable application
Acypetacs copper, Copper naphthenate	2.3% Cu	Any suitable application.
Acypetacs zinc Zinc naphthenate, Zinc octoate, Zinc versatate	1-3% Zn	Any suitable application
Benzalkonium chloride		Any suitable application
Phenylphenol (+ sodium salts)	2-5%	Wall sterilant for dry rot
Dichlofluanid		Decorative stains and finishes
Quartenary ammonium compounds	3.0%	Any suitable application
3-iodo-2-propynyl-N-butyl carbamate (Polyphase/IPBC)	0.5%	Any suitable application
Propiconazole		Any suitable application
Dodecylamine salicylate or laurate		Any suitable application

This list does not cover the use of pre-treatment products. A wider range of active ingredients, some of them considered harmful to bats when used as remedial products, is used for the pre-treatment of structural timbers. There is no evidence that any pre-treatment of timbers is harmful to bats, probably because the method of application results in much lower concentrations of pesticides on the wood surface compare with remedial applications.

This list does not include decorative wood finishes, such as stains or wood preservatives, which may be used to treat external timbers, weatherboarding, shingles etc. Provided these are used only on external timbers, they present no significant hazard to bats. Most of these products contain one or more of the fungicides listed above.

Natural England  
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