

Study Report

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Survey of products registered to date for the preservation of wood intended for the manufacture of exterior joinery

**UFME
Mme Ludivine MENEZ
39 rue Louis Blanc CS 30080
92038 LA DEFENSE Cedex**

This document comprises 15 pages.

Siège social
10, rue Galilée
77420 Champs-sur-Marne
Tél +33 (0)1 72 84 97 84
www.fcba.fr

Bordeaux
Allée de Boutaut – BP 227
33028 Bordeaux Cedex
Tél +33 (0)5 56 43 63 00

Siret 775 680 903 00132
APE 7219Z
Code TVA CEE : FR 14 775 680 903

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1. CONTEXT

Following recent discussions about the future of authorisations under the European Regulation on Biocidal Products (the BPR) of active substances used in wood preservatives, UFME asked FCBA to carry out a survey of products registered to date for the preservation of wood intended for the manufacture of exterior joinery.

2. OBJECTIVES

The objectives are to establish:

- 1) A list of the biocidal products currently authorised under BPR in the category of PT 8 (Product Type 8 Wood preservatives) on the French market,
 - For industrial use,
 - Claiming a preventive efficacy against the following biological agents :
 - ✓ Decay fungi (distinguishing brown rot from white rot)
 - ✓ Blue-staining fungi
 - ✓ Subterranean termites
 - ✓ Wood-boring beetles
 - For use classes 2 and 3

The products benefiting from a CTB P+ certification will be clearly identified.

When possible, a distinction will be made between products authorised for use class 3 (in general) and those restricted to use class 3.1 applications (the distinction between use class 3.1 and 3.2 is not always indicated in the Market Authorisation).

For the CTB-P+ certified products, Market Authorisations (MA) existing outside of France will be indicated when relevant.

- 2) The previous list (1) excluding the products containing propiconazole
- 3) The previous list (2) excluding the products containing IPBC and/or tebuconazole
- 4) The list of products free from propiconazole, tebuconazole and IPBC, authorised in France for the applications listed in (1).

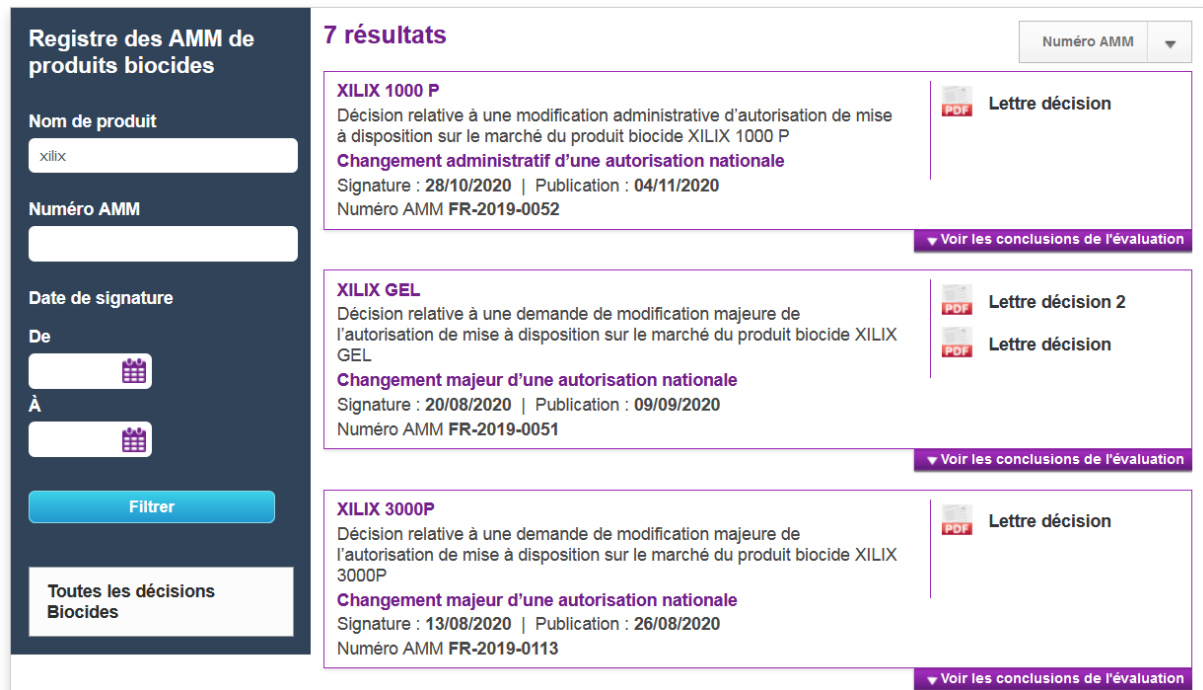
3. METHODOLOGY

Information focusing on PT 8 biocidal products used for preventive treatment of wood was gathered from the websites of ECHA (European Chemical Agency) and ANSES (the agency issuing the marketing authorisation for France) and from the list of products holding the CTB P+ certification issued by FCBA.

The search for information concerns:

- Existence of a Marketing Authorisation (MA) in France and/or other European Member States and expiry date of the MA,
- Use Classes of wood for which the product is authorised,
- Biological degradation agents against which the product is authorised,
- Type of wood (softwood / hardwoods) for which use is authorised,
- Active substances contained in the product,
- Existence of a CTB P+ certification for the product.

The website of the French agency in charge of the evaluation of biocidal products ANSES (https://www.anses.fr/fr/decisions_biocide) allows seeking information about a given product and/or MA (AMM) number. The tool does not allow to call, for example, all PT 8 products or products containing a given active substance. However, for every product authorised in France, the Market Autorisation can be opened and downloaded.



Registre des AMM de produits biocides

Nom de produit: xilix

Número AMM: [input field]

Date de signature: De [calendar icon] À [calendar icon]

Filtrer

Toutes les décisions Biocides

7 résultats

XILIX 1000 P
Décision relative à une modification administrative d'autorisation de mise à disposition sur le marché du produit biocide XILIX 1000 P
Changement administratif d'une autorisation nationale
Signature : 28/10/2020 | Publication : 04/11/2020
Numéro AMM FR-2019-0052
Lettre décision [PDF icon]
Voir les conclusions de l'évaluation

XILIX GEL
Décision relative à une demande de modification majeure de l'autorisation de mise à disposition sur le marché du produit biocide XILIX GEL
Changement majeur d'une autorisation nationale
Signature : 20/08/2020 | Publication : 09/09/2020
Numéro AMM FR-2019-0051
Lettre décision 2 [PDF icon]
Lettre décision [PDF icon]
Voir les conclusions de l'évaluation

XILIX 3000P
Décision relative à une demande de modification majeure de l'autorisation de mise à disposition sur le marché du produit biocide XILIX 3000P
Changement majeur d'une autorisation nationale
Signature : 13/08/2020 | Publication : 26/08/2020
Numéro AMM FR-2019-0113
Lettre décision [PDF icon]
Voir les conclusions de l'évaluation

The ECHA website (European CHemical Agency <https://echa.europa.eu>) allows seeking information about :

- **Product identity :**
 - Product name
 - Product type (allowing the selection of only PT 8 – wood preservatives)
 - It's not possible to distinguish preventive products from curative ones
- **Active substance** present in the product, with the following limitations :
 - Only one active substance can be selected at one time,
 - It's not possible to exclude a substance (for example, to search for products which do not contain propiconazole),
 - It's not possible to search for all products containing only one active substance (for example permethrin or IPBC),

Product identity Expand/Collapse all

Trade name: Product-type:

PT08 x

Active substance

Substance name: BAS number:

EC / CAS number: Candidate for substitution

- **Market authorisation :**

- Autorisation holder
- Autorisation number and validity
- Market area : allows selecting a given country, i.e. France
- Autorisation status, allowing selecting only currently authorised products

▼ Authorisation data

<u>Autorisation holder:</u> <input type="text" value="e.g. Acme Corporation"/>	<u>Market area:</u> <input type="button" value="Select"/>
<u>Autorisation number:</u> <input type="text" value="e.g. EU-1234567-0000"/>	France ✕
Validity of authorisation	
<u>Start date</u> - from - <input type="text" value="17"/> - to - <input type="text" value="17"/>	<u>Autorisation type:</u> <input type="button" value="Select"/>
<u>End date</u> - from - <input type="text" value="17"/> - to - <input type="text" value="17"/>	<u>Autorisation status:</u> <input type="text" value="Authorised"/>

- **Product uses :** a lot of information is theoretically available but in practice the search is very complex due to the limitations of the search tool:

- Use category:
 - inside, outside or other → it is not possible to search for a given authorised use class,
 - industrial, professional (etc) → the categories must be indicated one by one.
- Target organism: the tool finds only the exact wording used in the corresponding MA – for example, to find out if a product protects against white rot fungi, the answer can be given by many terms such as “fungi”, “wood-decay fungi”, sometimes including errors and typos (see example below for the latine name of the fungus species *Coniophora puteana*):

Product uses

Use category

Indoor ✕ Outdoor ✕ Industrial ✕

Target organism

Scientific name (OR)

Coniophora Puteana ✕ Coniophora putanea ✕
 Coniophora puteana ✕ Coniophoraputeana ✕

Common name (OR)

Champignon lignivore ✕ Champignons ✕
 Champignons destructeur du bois (pourritures cubique et fibreuse) ✕
 Champignons destructeurs du bois ✕
 Champignons destructeurs du bois (pourriture cubique et pourriture fibreuse) ✕

Development stage

4. RESULTS OF THE SURVEY

At the European scale, 947 products are currently authorised at least in one Member State in the category **TP 8** (Product-type 8: Wood preservatives).

These products are authorised either for preventive uses, curative uses or both. The target organisms against which an efficacy is claimed are different species of fungi and/or insects.

Among these products :

- **536** contain azoles (**388** propiconazole and **246** tebuconazole, frequently used in combination in the same product), which are antifungal agents (fungicides) ;
- **660** contain 3-iodo-2-propynyl butylcarbamate (IPBC) (frequently used in combination with propiconazole and/or tebuconazole), also a fungicide ;
- **84** contain boron-containing compound, acting as fungicides and insecticides (mainly boric acid, borax, and disodium octaborate tetrahydrate (DOT)) ;
- **73** quaternary ammonium compounds (dimethylbenzyl ammonium chloride (ADBAC), didecyl dimethyl ammonium carbonate (DDAC) acting as fungicides and insecticides, often combined with boron-containing compound (mainly boric acid) or IPBC.

Among these 947 products, **621** are authorised for outdoor applications (including at least use class 3) - **388** contain azoles (**348** propiconazole and **125** tebuconazole) and **518** IPBC.

In France, 160 are currently authorised in the category PT 8, **103** of them could be used for outdoor applications (use class 3.1 at minimum). The distinction between use class 3.1 and use class 3.2 is not always made in the Marketing Authorisation (MA) - depending on the product, the MA cover applications either for use class 3.1, use class 3.1 and 3.2, or use class 3.

Among the **103** products (**84** containing azoles) :

- 4 are creosotes ;
- 2 are impregnation products meant mainly for use class 4 applications (Tanalith, containing both propiconazole and tebuconazole) ;
- 11 contain only IPBC, which is a fungicide (Aqua HS, grouping of HK Lasur products, Aidol HK Lasur)
- 17 contain only IPBC and tebuconazole, two fungicides (grouping of Aquawood TIG products) ;
- 3 contain only an insecticide substance (product having an eradicant action) ;
- 1 contain disodium tetraborate pentahydrate and K-HDO (Xyligen 30 F, a product meant for preventive treatment of wood-based panels) ;
- **65** products contain **propiconazole**, combined with other fungicides (tebuconazole, IPBC of both) and/or an insecticide (permethrin or cypermethrin, which are the most widely used insecticide active substances in products meant for surface preventive treatment of wood for use classes 1 to 3).

Consequently, there is no product free from **azoles and/or IPBC currently authorised in France** for use class 3 applications, protecting wood both against insects and fungi.

For this reason, the survey was extended to other European countries in order to identify a greater number of products, including:

- those not currently receiving a MA in France,
- those with a fungicidal action alone (conferred by IPBC alone, boron compounds or ammonium),
- those currently authorised only for use classes 1 and 2 (and which could potentially request a MA extension to use class 3).

Among the products authorised in Europe outside of France, many contain boric acid or other boron compounds, whose future as wood preservatives could also be compromised. 84 products containing all boric acid or other borate compounds, sometimes in combination, are authorised in Europe, of which:

- 83 with boric acid: Adolit (9 products), Lignofix (11), Baufan Lignofix E-prevent, Baufan Lignofix Profi, Baufan Profi (18 products), BAQ (18 products)... ;
- 1 with boric oxide (ACS Boron Rod, authorised only in Denmark, fungicidal preventive product for use class 2) ;
- 1 with disodium octaborate tetrahydrate (Boracol 20) ;
- 14 with disodium tetraborate pentahydrate, all not being wood preventive products ;
- 18 with disodium tetraborate decahydrate.

Several of the remaining products contain quaternary ammoniums ADBAC or DDAC.

Three Tables have been drafted and are presented as follows :

- (1) **Table 1: Products containing azoles (propiconazole with or without tebuconazole):** Table 1 presents the products already authorised in France or undergoing the authorisation process, for industrial and professional preventive uses, whose efficacy spectrum is compatible with use class 3 requirements (protection against fungi and wood-boring insects). Note that only 7 products claim efficacy against blue stain fungi. Products intended for use class 4 (impregnation products) and products with an insecticidal action alone are not listed. The selection includes products with CTB P+ certification (indicated in bold), some of which do not yet have a marketing authorisation in France. Several products authorised in another EU Member State are also listed for information.
- (2) **Table 2: Products all containing boric acid or other boron compounds.** 5 products (or product families) have been selected on the basis of their properties, but none is currently authorised in France.
- (3) **Table 3: Products without azoles or boron compounds:** 8 products (or product families) have been selected and are listed in the table, but all have limitations that are mentioned in the last column of Table 3.
 - 5 products containing IPBC;
 - 2 products of interest certified in France CTB P+ but currently only authorised for use class 1 and 2:
 - HYDROKOAT 16 (HYDROKOAT 6)
 - OBBIATEX HDC1
 - 1 product of interest not currently benefiting from a marketing authorisation in France, Vacsol Aqua 6118

Note : Many authorised products are in fact very similar groups of products (differ in their pigmentation for example) but which can benefit from individual authorisations. The same product authorization may also cover several dozen of trade names (for the products concerned, not all names have been listed in this report). Similarly, some similar products may not be grouped and may be granted individual authorisations (for example, the 29 V33 products listed in Table 1 have the same efficacy spectrum and contain the same active substances).

Table 1: Preventive products (or product families) against insects and fungi (containing azoles) for use class 3

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)
AXIL 3000	ADKALIS	1 2 3.1 3.2	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	No MA
AXIL 3000 P+ PREV'CONSTRUCT PLUS RESISTOL 6216 RESISTOL 6217 SARPECO 9-PLUS	ADKALIS	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Permethrin	FR-2019-0062 (18/04/2024)
AXIL 3000 P	ADKALIS	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Permethrin	Germany, Portugal
XYLOPHENE PREVENTIF EX 2002 (new commercial names for the family PPG_CLASS3_WB) X6119B1 Xylophène Industrie Xyloprotect EX 2002	ADKALIS	1 2 3.1	Softwoods Hardwoods (class 1 and 2)	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2019-0057 (03/06/2024)
XYLOPHENE PREVENTIF EX 2002 PLUS XYLOPHENE PREVENTIF EXO 1000 PLUS	ADKALIS	1 2 3.1 3.2	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	No MA
WOLSIT EC 4	BASF WOLMAN	1 2 3.1	Softwoods Hardwoods (class 1 and 2)	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole Permethrin	No MA
WOLSIT EC-100						
WOLSIT EC-100 P2						

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)
XILIX 3000 P CORIPHENE IF PRO DEADLINE WOODWORM TREATMENT WOODWORM TREATMENT FLUID WOODWORM TREATMENT SOLUTION XYLOFOR IFACO 3000	BERKEM DEVELOPPEMENT	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Permethrin	FR-2019-0113 (01/07/2023)
XYL CE 2006	BERKEM DEVELOPPEMENT	1 2 3.1	Softwoods Hardwoods (class 2)	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2020-0031 (03/06/2024)
XYL SGR 2002	BERKEM DEVELOPPEMENT	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2020-0015 (07/04/2024)
XYL SORX 2000	BERKEM DEVELOPPEMENT	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2020-0016 (07/04/2024)
LIGNUM DUAL PURPOSE PRODUCT FAMILY	Enviroquest Research Ltd	1 2 3	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Termites <i>Reticulitermes</i> Brown rot fungi et fibreuse Blue stain fungi	Propiconazole IPBC Permethrin	FR-2019-0075 (25/03/2024)
BLENDAXOL Fond d'imprégnation KW 88	Knuchel Farben AG	2 3	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole IPBC Permethrin	FR-2019-0088 (31/03/2024)

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)
RESISTOL 6213	LONZA	1 2 3.1	Softwoods Hardwoods (class 1 and 2)	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	No MA
OBBIATEX APE1	OBBIASAS	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole IPBC Permethrin	FR-2019-0089 (31/03/2024)
OBBIATEX TS	OBBIASAS	2 3	Softwoods	Longhorn beetle <i>H. bajulus</i> Brown rot fungi Blue stain fungi	Propiconazole IPBC Permethrin	FR-2018-0026 (20/01/2028)
X6122B1 XYLOPHENE CURATIF SORX 2000 XYLOPHENE EXPERT XYLO EXTREME XYLOPHENE INDUSTRIE XYLOBATI SORX 2000 XYLOPHENE INDUSTRIE XYLOPROTECT SGR 2002 XYLOPHENE PREVENTIF SGR 2002 XYLOPHENE PROFESSIONNEL SOR40 XYLOPHENE XYLO EXTREME	PPG AC France SA	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown and white rot fungi	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2019-0021 (07/04/2024)
Famille PPG_Class3_WB (X6119CJ, X6236)	PPG AC France SA	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi (class 2 and 3.1) and white rot (class 2)	Propiconazole Tebuconazole IPBC Cypermethrin	FR-2019-0057 (03/06/2024)
Aqua IG-15-Imprägniergrund INDULINE SW-900 IT	REMMERS GmbH	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Termites <i>Reticulitermes</i> Brown and white rot fungi Blue stain fungi	Propiconazole IPBC Cypermethrin	FR-2017-0113 (08/12/2027)

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)
IG-10 IG-10-Imprägniergrund IT Imprägniergrund Plus Induline IL-150 VP 23541	REMMERS	2 3.1 3.2	Not indicated	Wood boring beetles Longhorn beetle <i>H. bajulus</i> Termites <i>Reticulitermes</i> Decay fungi Blue stain fungi	Tebuconazole IPBC Cypermethrin	No MA
IMPRALIT-TSK 40	RÜTGERS	1 2 3.1 3.2	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	Propiconazole Tebuconazole ADBAC Permethrin	No MA
Rodical Multi-Use XYLOFARM PROTECT	TEKNOS A/S	2 3	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Termites <i>Reticulitermes</i> Brown and white rot fungi Blue stain fungi	Propiconazole Tebuconazole IPBC Permethrin	FR-2019-0079 (31/03/2024)
TEKNOL AQUA 1415-01	TEKNOS A/S	1 2 3.1	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Termites <i>Reticulitermes</i> Brown and white rot fungi Blue stain fungi	Propiconazole IPBC Permethrin	FR-2019-0085 (31/03/2024)
TWP 092i 090-00 Moore's Wood Plus Penetrating Preservative Water Based (140 commercial names)	TROY CHEMICAL COMPANY BV	2 3	Softwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Brown and white rot fungi	Propiconazole IPBC Cypermethrin	FR-2017-0068 (21/05/2027)
TWP 097i (and 13 other names)	TROY CHEMICAL COMPANY BV	2 3	Softwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Brown rot fungi Blue stain fungi	Propiconazole IPBC Permethrin	FR-2018-0017 (20/01/2028)

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)
V33 TRAITEMENT MULTI USAGES BIGMAT TRAITEMENT BOIS MULTI-USAGES V33 TRAITEMENT BOIS MULTI USAGES VARIATECH TRAITEMENT DE BOIS UNIVERSEL	V33	1 2 3	Not indicated	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Lyctus <i>L. brunneus</i> Termites <i>Reticulitermes</i> et <i>Hetrotermes</i> Brown and white rot fungi	Propiconazole Tebuconazole Cypermethrin	FR-2017-0027 (10/05/2022)
TX204 TRAITEMENT BOIS AUTOCLAVES VERT						FR-2017-0028 (09/05/2022)
TX204 TRAITEMENT BOIS AUTOCLAVES BRUN						FR-2017-0029 (09/05/2022)
AXTON TRAITEMENT UNIVERSEL						FR-2017-0051 (10/05/2022)
Bigmat Traitement des Bois						FR-2017-0052 (10/05/2022)
Colours Traitement Multi Usages						FR-2017-0053 (10/05/2022)
DIALL TRAITEMENT MULTI-USAGES						FR-2017-0054 (10/05/2022)
DIAMANTINE EXPERT TRAITEMENT BOIS EXTERIEURS						FR-2017-0055 (10/05/2022)
DIAMANTINE EXPERT TRAITEMENT DU BOIS MULTI USAGES						FR-2017-0056 (10/05/2022)
DIAMANTINE TRAITEMENT BOIS EXTERIEURS						FR-2017-0057 (10/05/2022)
DIAMANTINE TRAITEMENT DU BOIS MULTI USAGES						FR-2017-0058 (10/05/2022)
EDILIS TRAITEMENT BOIS MULTI USAGES						FR-2017-0059 (10/05/2022)
EKOLIS TRAITEMENT BOIS MULTI USAGES						FR-2018-0090 (10/05/2022)
ELOS TRAITEMENT BOIS MULTI-USAGES						FR-2017-0109 (09/05/2022)
FLEXELL TRAITEMENT UNIVERSEL						FR-2017-0060 (10/05/2022)
INTENS TRAITEMENT ET PROTECTION DU BOIS UNIVERSEL						FR-2017-0061 (10/05/2022)
INVENTIV TRAITEMENT MULTI USAGES, INTENS TRAITEMENT ET PROTECTION DU BOIS UNIVERSEL						FR-2017-0062 (10/05/2022)
PLASTOR TRAITEMENT MULTI USAGES						FR-2017-0039 (10/05/2022)
TECHNO PRO TRAITEMENT BOIS UNIVERSEL						FR-2017-0040 (10/05/2022)
TRAITEMENT BOIS EXTERIEUR NUANCE						FR-2017-0041 (10/05/2022)
TRAITEMENT DU BOIS MULTI USAGES						FR-2017-0042 (10/05/2022)
TRAITEMENT MULTI USAGE NUANCE						FR-2017-0043 (10/05/2022)
TX203 TRAITEMENT MULTI USAGES						FR-2017-0044 (10/05/2022)
V33 FONGIX TRAITEMENT BOIS BOIS EXTERIEURS						FR-2017-0045 (10/05/2022)
V33 FONGIX TRAITEMENT BOIS MULTI USAGES						FR-2017-0046 (10/05/2022)
V33 TRAITEMENT BOISERIES EXTERIEURES						FR-2017-0047 (10/05/2022)
WINKO TRAITEMENT BOIS UNIVERSEL						FR-2017-0048 (10/05/2022)
ZOLPAN SATIZOL TRAITANT AQUA						FR-2017-0050 (10/05/2022)

Table 2: Preventive products (or product families) free from azoles but containing boron compounds

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)	Comments
ADOLIT BQ 20, ADOLIT BQ 30, Adolit M (9 products)	Remmers	1 2 3.1	Not indicated	Longhorn beetle <i>H. bajulus</i> Brown and white rot fungi (not indicated explicitly)	Boric acid ADBAC	Austria, Croatia, Germany, Hungary, Poland	-all insect risks are not covered -no MA in France
BAQ 70 (18 products)	Remmers	1 2	Not indicated	Longhorn beetle <i>H. bajulus</i> Basidiomycete fungi Molds	Boric acid ADBAC	Slovakia (or) Czech Republik	-no MA en France -use class 1 and 2 only
BAUFAN Lignofix E-Prevent (6 produits) et BAUFAN Lignofix Profi (12 produits)	BPP Group	1 2	Softwoods	Longhorn beetle <i>H. bajulus</i> Wood boring beetles Basidiomycete fungi Molds	Boric acid ADBAC	Slovakia (ou) Czech Republik	-no MA in France -use class 1 and 2 only
Boracol 10 Yacht Boracol 10/3Bd Prof Boracol 10_3Bd Boracol Special 10/3Bd	KRS APS	2	Not indicated	Brown rot fungi Molds	Disodium tetraborate DidecylDimethylAmmonium Chlorid (DDAC)	Germany, Denmark, Estonia, Finland, Netherlands, Norway, Sweden	-no MA in France -no protection against insects -use class 2 only
Lignofix E-prevent, Lignofix P, Lignofix Profi (10 products)	STACHEM A CZ	1 2 3.1	Not indicated	Longhorn beetle <i>H. bajulus</i> Coleopteran insects Brown rot fungi	Boric acid ADBAC	Estonia, Latvia, Lithuania, Poland, Czech Republik, Slovakia	-all insect risks are not covered -no MA in France

Table 3: Preventive products free from azoles and boron compounds

Product (main commercial names)	Manufacturer	Use class	Wood species	Targeted biological agents	Active substances	MA (expiry date)	Comments
AIDOL HK-Lasur	Remmers	2 3	Not indicated	Wood destroying fungi (Basidiomycetes) Blue stain fungi	IPBC	FR-2016-0036 (30/06/2020)	-contains only IPBC -no protection against insects -authorisation expired in France
famille de produits HK-LASUR	Remmers	2 3	Not indicated	Wood destroying fungi (Basidiomycetes) Blue stain fungi	IPBC	FR-2019-0078 (30/06/2020)	-contains only IPBC -no protection against insects
INDULINE GW-310 Aqua HS-35/m Aqua HSL-35/m Hörmann-Lasur	Remmers	1 2 3.1 3.2	Not indicated	Blue stain fungi	IPBC	FR-2019-0083 (30/10/2025)	-contains only IPBC -no protection against insects -protection only against blue stain fungi
KORANOL GRUND FARBLOS	Kurt Obermeier	2 3.1	Not indicated	Wood destroying fungi (type or rot not indicated) Blue stain fungi	IPBC	FR-2013-0130 (31/12/2022)	-contains only IPBC -no protection against insects
Cetol Novatech BP	Akzo Nobel	2 3.1 (not indicated explicitly) 3.2 not indicated explicitly)	Not indicated	Blue stain fungi	IPBC ADBAC	Austria Italy	-no MA in France -protection only against blue stain fungi -no protection against insects
HYDROKOAT 16 HYDROKOAT 6	Koatchimie	1 2	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> <i>Lyctus L. brunneus</i> Termites <i>Reticulitermes</i> Brown rot fungi	ADBAC DDAC cypermethrin	FR-2017-0083 (24/09/2027)	-use class 1 and 2 only
OBBIATEX HDC1	Obbia	1 2	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Furniture beetle <i>A. punctatum</i> Brown rot fungi	Coco Dimethyl Benzyl Ammonium Chloride Dimethyl Didecyl Ammonium Chloride Cypermethrin	FR-2017-0083 (25/09/2027)	-use class 1 and 2 only

Vacsol Aqua 6118	Lonza	1 2 3.1 (not indicated explicitly) 3.2 (not indicated explicitly)	Softwoods Hardwoods	Longhorn beetle <i>H. bajulus</i> Basidiomycete decay fungi	Penflufen Permethrin	Belgium, Estonia, Sweden, Ireland, Latvia, Netherlands, Lithuania, the UK	-No MA in France -treatment by impregnation for use class 3
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5. CONCLUSIONS

No product without azoles (propiconazole and/or tebuconazole) and/or IPBC is currently authorised in France for uses up to use class 3 and covering both the insect and fungal risks.

The search for products of interest that could potentially meet the specifications listed at the beginning of this report allowed us to identify:

- 2 products from French companies currently authorised in France for use class 1 and 2 only: HYDROKOAT 6 (Koatchimie) and OBBIATEX HDC1 (Obbia). These two products are CTB P+ certified, and HYDROKOAT has been previously certified for use class 3. These two products have the same MA number in France, resulting from a commercial agreement between the two manufacturers, but the trade name OBBIATEX HDC1 will disappear and the product will be removed from the lists at AMM on 20/04/2021.
- 1 product not currently benefiting from a MA in France, Vacsol Aqua 6118 (Lonza), authorised in several other Member States. It would be useful to ask the manufacturer whether a process to obtain a marketing authorisation in France is underway.

A handwritten signature in blue ink, appearing to read 'K + b'.

Dr Magdalena KUTNIK
Responsable du Laboratoire BioForBois