



# WYKABOR 40.1

## CONCENTRATED BORON/GLYCOL WOOD PRESERVATIVE

HSE No. 10362

### SPECIAL PROPERTIES

- Deep penetration in wet and dry wood.
- Odourless.
- Highly effective, dual purpose preservative.

### DESCRIPTION

**Wykabor 40.1** is a glycol-based wood preservative formulation containing disodium octaborate tetrahydrate. Designed for use by injection into larger dimension timbers, to protect against wood boring insects and fungal decay. It is particularly suited for use in damp / wet timbers in contact with masonry (e.g. joist ends, wall plates etc.) where the active ingredients can diffuse into 'high risk' areas. Treatments may be supplemented by a surface application of Wykabor 10.1 (see separate sheet and below)

**Wykabor 40.1** is approved for use only by professional operators under The Control of Pesticides Regulations 1986. Read the label before use. HSE No. 7307.

### SITE WORK

#### Preparation

All bats are protected under The Wildlife and Countryside Act 1981. Before treating any structure used by bats, consult Natural England, Scottish National Heritage, The Countryside Council for Wales or The Department of the Environment for Northern Ireland.

**Wykabor 40.1** is suitable for use in bat roosts.

Before deciding on appropriate preservative treatment, carefully evaluate the structural integrity of timbers and repair and / or replace those considered unsound (isolated from masonry where possible). Locate and rectify any sources of dampness.

**Wykabor 40.1** can be used to treat sound (new or existing) timbers. For timbers already suffering from fungal decay / insect attack, treatments can be applied effectively as long as measures are also taken to remove sources of moisture and / or improve ventilation in the adjoining areas. Timbers left in direct contact with masonry below ground level, or in other situations where there is a known continuing source of moisture, can be treated in-situ but should be re-inspected periodically to access their condition.

Cover water storage tanks and remove or cover fish tanks and bowls and any food stuffs etc. before application. Do not use on food preparation or storage surfaces.

**Wykabor 40.1** is a deeply penetrating product which causes staining to both the treated timber and any porous materials it is contact with (e.g. plaster, masonry). Further, when timbers are dry, the boron salts may appear as surface crystals in places. **THESE FACTORS MAKE THIS PRODUCT SUITABLE ONLY FOR THE TREATMENT OF STRUCTURAL TIMBERS WHICH WILL NOT BE EXPOSED AS A DECORATIVE FEATURE.**

If sensitive linings or overlay materials are to be used in direct contact with treated timbers they should be isolated by the use of an impervious barrier. Alternatively, consider the use of Wykamol Boron Roads (see separate data sheet).

If treatments are being carried out as part of a dry rot eradication program carefully establish the full extent of the infestation and use Wykabor 10.1 to sterilise affected masonry as necessary (see separate data sheet).

### PRODUCT DATA

<b>Appearance</b>	Semi-transparent colourless gel.
<b>Flash point</b>	>100°C.
<b>Odour</b>	None.
<b>Coverage</b>	Approx. 5 kg/m <sup>3</sup> (see recommended drilling patterns)
<b>Shelf Life/Storage</b>	12 months when stored in cool, frost-free conditions away from sources of heat

	and direct sunlight. Keep out of reach of children, away from foodstuffs etc.
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**APPLICATION**

**Drilling holes in face of beams**

Holes of 10-12 mm diameter should be drilled at intervals of 100 mm along the grain and to within 15 mm of the full depth of the timber (and otherwise as per the table below). Inject the **Wykabor 40.1** to within c.10 mm of the face of the timber and seal with timber dowling or plastic plugs.

Timber Dimensions (mm)	Drill Hole Depth (mm)	No. of Rows	m /cartridge (approx.)
100 x 50	35	1 (centred)	20
225 x 75	60	2 (75 mm spacing)	7
300 x 150	135	2 (100 mm spacing)	2

**Drilling holes on edge of beams**

Holes of 10-12mm diameter should be drilled at intervals of 150mm along the grain and to within 30-75mm of the full depth of the timber (see the table below). Inject the **Wykabor 40.1** to within 30mm of the near face and seal with timber dowling or plastic plugs.

Timber Dimensions (mm)	Drill Hole Depth (mm)	No. of Rows	m/cartridge (approx.)
100 x 50	70	1 (centred)	20
225 x 75	175	1 (centred)	7
300 x 150	225	2 (50mm spacing)	2

**General Notes**

In order to provide treatment to inaccessible sections of timber (e.g. joist ends bearing on masonry) the first set of drill holes should be started as close to the exposed edge of timber as possible and directed at an angle into the concealed section. The depth of these drill holes will be determined by the length of the recess; otherwise treat as above.

The specifications given above should ensure that **Wykabor 40.1** is evenly distributed and sufficient to protect against and/or eradicate insect attack / fungal decay. However, in very damp conditions as an added precaution against surface mould growth or spore germination consideration may be given to the application of a brush or spray coat of Wykabor 10.1 (see separate data sheet). Also in relatively dry timbers, to ensure complete control over common furniture beetle infestations and provide resistance to egg laying etc. a surface application of Wykabor 10.1 is required.

For larger areas requiring spray treatment against common furniture beetle etc. we recommend one of our Microtech range of wood preservatives is used (see separate data sheets).

**Finishing**

Provide a physical barrier to prevent unprotected persons and / or animals coming into contact with treated surfaces until dry (inaccessible timbers are considered to be outside this requirement). Dispose of empty cartridges carefully; transfer old nozzles to new cartridges wherever possible.

**TECHNICAL INFORMATION**

The information contained in this data sheet is for **professional preservation specialists** and is compiled accordingly.

**Wykabor 40.1** is classified Reproductive Toxicant Category 2 (R60-61) under the Biocidal Products Directive (98/8/EC)

Instructions for safe handling and use are given on the product label. More detailed information on safety is available in the **Wykabor 40.1** Material Safety Data Sheet. Certain statutory conditions apply to the use of this product under the Control of Pesticides Regulations 1986 (HSE 9492).

**Always read the label before use.**

Further information and advice is freely available from the Wykamol Technical Department. For general guidance consult The HSE Guidance Note 'Remedial Timber Treatment in Buildings' (HSE Books, ISBN 0-11-885987-0).

**Please note:** This is a timber treatment product and as such is only to be used on timbers. No liability will be accepted in relation to other materials being coated with this product. All other materials should be isolated so the product cannot come into contact with this treatment. This includes central heating pipes, electric cables, roofing membranes and all other associated materials. Any persons not doing so do this entirely at their own risk.

The company warrants this product to be of merchantable quality and fit for the purpose designed, providing that any instructions relating to use, handling and storage are duly observed. All transactions subject to our standard Conditions of sale, copies available on request.

**Risk Mitigation Measures:**

- FOR USE ONLY BY PROFESSIONAL OPERATORS
- THE COSHH (Control of Substances Hazardous to Health) Regulations 2002 (as amended) apply to the use of this product at work.
- Avoid excessive contamination with coveralls
- Do not contaminate foodstuffs, eating utensils or food contact surfaces.
- This material and its container must be disposed of in a safe way.
- Unprotected persons and animals should be kept away from treated areas for 48 hours and until surfaces dry
- Cover all water storage tanks before application

- All bats are protected under the Wildlife and Countryside Act 1981. Before treating any structure used by bats, consult Natural England, Scottish Natural Heritage or the Countryside Council for Wales.
- Wash hands and exposed skin before meals and after use.
- Keep in safe place.
- Do not touch treated surfaces until dry

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