Bochemit®
PYRO

PRODUCT SHEET

FIRE PROTECTION

- Improves the fire resistance of wood
- Restricts flame spread
- Minimal smoke production (s1)
- No flaming particles (d0)
- Classified C-s1, d0 according to EN 13501-1

Bochemit® PYRO

C-s1, d0

FIRE PROTECTION

PREVENTS THE SPREAD OF FLAME AND SMOKE DEVELOPMENT

WATERBORNE WOOD FIRE-RETARDANT LIQUID CONCENTRATE FOR THE TREATMENT OF WOOD, WOODEN ELEMENTS OF BUILDING STRUCTURES AND OTHER WOOD-BASED MATERIALS TO BE BUILT INTO OR ALREADY BUILT IN BUILDING INTERIORS.

- Application by brushing.
- A functional layer remains on the surface of the treated wood.
- Treated wood is odorless.
- For indoor use.
- Bochemit Pyro is produced in a colourless variant only.
- The lifespan of the wood protection is unlimited in time, provided that interior humidity conditions are maintained.

COLOURLESS

- You can find the selection of suitable biocidal impregnation at **www.bochemit.eu**
- Use biocides safely. Always read the label and product information before use.

AREAS OF APPLICATION

Bochemit Pyro is used for fire-retardant treatment of wood, wooden elements of building structures, and other wood-based materials intended for incorporation into or already installed into building interiors.

FIRE PROTECTION MECHANISM OF ACTION

If wood treated with Bochemit Pyro at the required retention rate is exposed to a flame, the active ingredients begin to decompose upon heating into non-flammable gaseous substances. These are released from the surface of the treated wood into the surroundings, diluting the oxygen necessary for the combustion of the wood matter to such an extent that it is insufficient for further flame spread.

Simultaneously, the heating of the treated wood creates a thin insulating layer on the surface. This layer prevents direct contact between the flame and the wood surface, thereby preferentially absorbing the heat of the flame and blocking its access to the wood surface. This again results in slowing down combustion and accelerating the formation of a carbonaceous surface layer on the wood. This layer has a significant thermal insulation effect and also prevents further flame spread.

TWO STEPS TO WOOD PROTECTION

Bochemit® OPTI F+ **Bochemit® HOBBY** **Bochemit® PYRO**

STEP 1

Preventive long-term protection against moulds, wood-destroying fungi, and insects

To ensure wood protection against infestation by wood-destroying fungi or insects, treat the wood before applying Bochemit Pyro with one of the biocidal impregnation products from the Bochemit range:

- Bochemit Hobby
- Bochemit Opti F+

STEP 2

Preventive long-term fire protection by reducing wood flammability

Apply Bochemit Pyro only after the fungicidal impregnation has dried completely, which depends on the air temperature and humidity and usually takes 4 to 24 hours. These 2 steps will create perfect protection for your wood.

- Bochemit Pyro

Bochemit®

WOOD CARE SINCE 1968

WHY BOCHEMIT

- BOCHEMIT represents more than 50 years of experience in developing professional products for the protection of structural timber.
- BOCHEMIT meets all current European standards and regulations governing the certification of agents.
- BOCHEMIT has its own R&D centre specifically focused on the research and development of wood preservation products.

PROTECTING WOOD FOR OVER 50 YEARS

- BOCHEMIT products are constantly being enhanced and innovated to meet the latest market trends and customer requests.
- BOCHEMIT perfectly penetrates wood in a rapid and uniform way, and subsequently protects it.
- BOCHEMIT means more than just products, it stands for technical assistance and support. Our experts are ready to help you with impregnation technology for various types of wood, provide ongoing advisory services, and assist with setting the correct concentration of application solutions.

WHY BOCHEMIT PYRO

If a fire breaks out, it is crucial that people can evacuate the building as quickly as possible. The goal is to save human lives and, if possible, protect property to the greatest extent. The timeframe available for evacuation depends on the materials used in the construction of the building and their fire behavior.

During a fire, toxic gases can be generated, which can have tragic effects on people present in the fire area. Reduction of smoke development is therefore highly desirable in this scenario.

The spread of fire can be significantly accelerated if the surroundings of the original fire source ignite from flying flaming particles. Limiting or completely eliminating the release of flaming particles is highly desirable in this scenario.

In the event of a fire, Bochemit Pyro not only extends the time to flashover but also reduces smoke development and prevents the release of flaming particles that could contribute to the spread of fire.

Bochemie® WOOD CARE

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