

Technical data sheet **Bochemit Optimal**

Concentrated water soluble wood preservative with fungicidal and insecticidal efficacy with increased resistance to washout of wood. It provides timber longlasting protection.

Delivery form

water – soluble concentrate

Active substances:

cypermethrin
Alkylbenzyl dimethylamonium chloride ...
propiconazole
Tebuconazole

Use

The preservative can be used for surface, semi-deep and deep impregnation of timber, roof trusses and other construction timber inbuilt both indoor and outdoor (according to CSN EN 335-1,2). It provides long-term protection of wood against wood-rotting fungi (Basidiomycetes), mildew and wood damaging insects (including termites).

Type specification according to CSN 49 0600 - 1

F_B, P, I_P, 1, 2, 3, S

Color modificate of product

Bochemit Optimal is available in transparent, brown and green modification.

Characteristics of the treaded wood surface

On the surface of treated wood does not residue or odor.

Transparent variant of product do not make yellow surface of the wood.

Application

To be applied by coating, spraying, soaking.

Technological application procedures

Preventive protection of timber by coating or spraying

Coating and spraying must be applied at a temperature of 5° C up to 30° C to achieve a uniform and continuous protective layer of Bochemit Optimal on the whole surface of timber. The number of coats depends on the required absorption and the quality of treated wood. The next coat or spraying shall be applied after the previous layer has completely dried up (after 4 - 24 hours). One coat or spraying is usually sufficient to achieve the required absorption for roughly worked wood, the smoothly worked wood will require the application of the agent twice. Exterior wood in hazard class 3 of exposure may be treated with coating or spraying provided that the top coat will be subsequently applied on the treated surface.

Preventive protection of wood by dipping

Wood is treatment in suitable tanks (e.g. dipping plants). See the information about concentration and minimum absorption in the table below.

Protection durability

Use class 1 and 2 (interior): time-unlimited protection (regular check in five years intervals)

Use class 3 (exterior): without top coat 5 years (then need to check and to carry out maintenance of applied protection)

Expiry: 36 months

Pack size: 1, 5, 15, 50, 500 kg

Table of consumption for BOCHEMIT Optimal:

Bochemit Optimal		Wood preservation	
		Use class 1 and 2	Use class 3
Coating Spraying	min. dose of concentrate (g/m ²)	20	40 *
	working solution concentration (%)	10	min. 10
	dilution ratio (BOCHEMIT : water)	1 : 9	1 : 9
	Number of applications	1 - 2	2 - 3
Dipping	min. retention of concentrate (g/m ²)	20	40
	working solution concentration (%)	min.5	5 - 10
	dilution ratio (BOCHEMIT : water)	1 : 19	1 : 19-9
	duration (hrs.)	1 hour	8** – 24 hours

Note:

* with suitable top coat durability of protection depends on quality of top coating (we recommend to follow the instructions of producer of top coating).

** content of moisture in wood before dipping is max. 20% and duration time of dipping is min. 8 hours

Storage

Store in original, tightly sealed containers, separately from drinking water, food, drinks and fodder; do not store in direct sunlight. Storage temperature: -15 to + 30 °C. The storage areas must be secured

so that no product can escape into the environment and no unauthorized persons can enter. Store in original, tightly sealed containers

Compatibility with other products

Bochemit Optimal should not be mixed with other products provided the compatibility is not tested and confirmed by Bochemie a.s.

Technical service

- offer of conductometers for the determining of approximate concentration of application solutions
- laboratory analysis of active substances in wood and application solution

Safety principles – see in material safety data sheet (MSDS)

Safety measures are presented in the MSDS for Bochemit Optimal.

Certificate No.:1848/222/§5/2011 is issued by Timber Research and Development Institute, Prague, Czech republic

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