

QUALITY PROTECTS.



Wood preservatives

Additives for wood and finishes formulations

X IPEL® ProWood **X** Preventol®

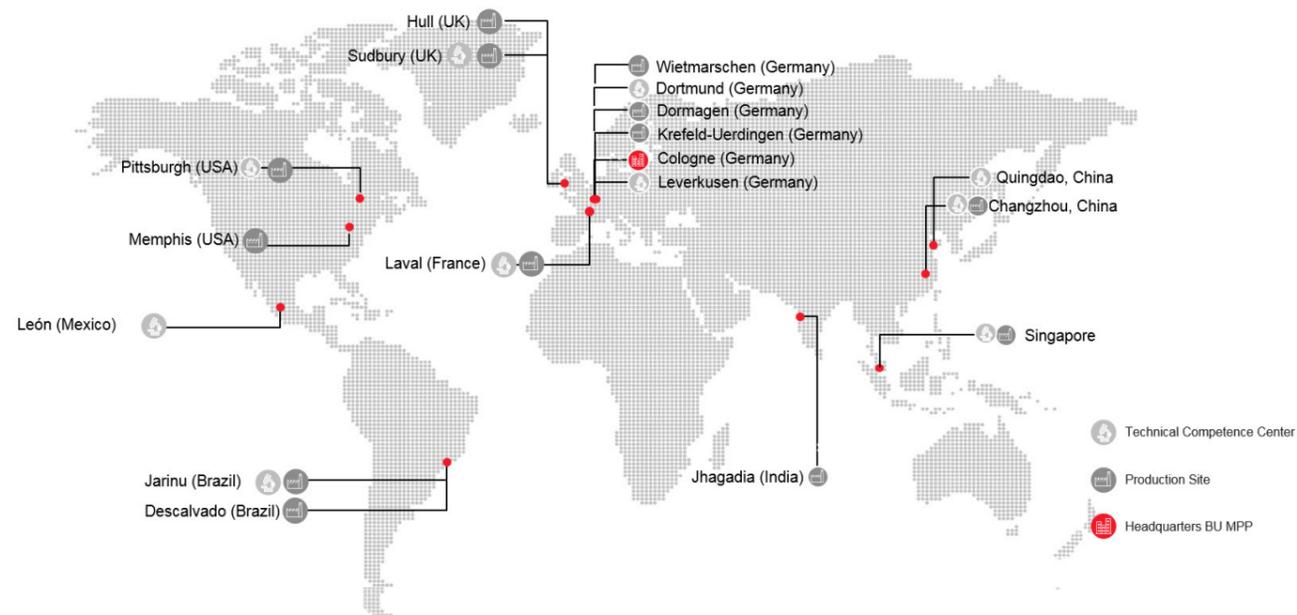
QUALITY WORKS.

LANXESS
Energizing Chemistry

ABOUT LANXESS MATERIAL PROTECTION PRODUCTS (MPP)

LANXESS Material Protection Products is one of the worldwide leading manufacturers of biocidal active ingredients and formulations. We offer a wide range of products for many different applications such as paint and coatings, wood protection, disinfection, and many other industrial applications. In 2020, we acquired IPEL, a South American market leader in biocides. With this acquisition, the MPP - Material Protection Products Business Unit expanded its operations to the South American market.

In order to fully satisfy our customers' needs, we continually invest in the research and development of innovative products. Quality products combined with outstanding technical support and high regulatory expertise – that's what distinguishes LANXESS Material Protection Products.



IPEL® PROWOOD LINE



The IPEL® ProWood product line has been developed to meet the requirements of wood protection manufacturers. It was especially designed for the usage in wood preservatives as well as paints, varnishes, stains and others. Its different functionalities add value to wood preservatives, such as fungi and insect control, dimensional stability, moisture protection, and fiber uniformity of the wood tone. All this enhances the quality and efficiency of the wood formulation.

Product	Delivery form	Fungicide	Insecticide	Freshly Sawn Timber	Dry Wood
IPEL® ProWood 8001	Liquid		●	●	●
IPEL® ProWood 8003	Liquid	●			●
IPEL® ProWood 8004	Liquid	●	●		●
IPEL® ProWood 8005	Liquid		●		
IPEL® ProWood 8008	Powder	●			●
IPEL® ProWood HR 100	Liquid				●
IPEL® ProWood AM 200	Liquid			●	●
IPEL® ProWood RM 100	Liquid			●	●

**IPEL® PROWOOD
8001**

Insecticide concentrate based on Cypermethrin, to be used as an active ingredient in wood preservative formulations. We emphasize its high efficiency against dry wood borers and termites of the species *Cryptotermes brevis*. Achieves excellent residual effect with low toxicity to humans and animals when used at recommended concentrations. **IPEL® ProWood 8001** is an active ingredient approved by the World Health Organization to be used in health campaigns. It acts as a neurotoxic agent in its target organisms acting through contact and ingestion.

**IPEL® PROWOOD
8003**

Solvent based IPBC fungicide concentrate. Its stabilized formula is compatible and indicated for incorporation in paint formulations, varnishes, stains and preservatives for dry wood treatment. It has an excellent stability and is compatible with insecticides such as Cypermethrin and other Pyrethroids (does not cause precipitation or decomposition of these ingredients). Its formulation keeps the active ingredients inside the wood. Application dosages depend on the type of formulation.

**IPEL® PROWOOD
8004**

It is a concentrated fungicidal formulation containing stabilized DCOIT, which also provides a preventive efficacy against termites. It was specially developed to be used in the production of wood preservatives and finishes such as paints, varnishes and stains in solvent based formulations. Its formula is stabilized and compatible with most of raw materials used in coatings, which normally cause incompatibilities. Its formulation keeps the active ingredients inside the wood.

**IPEL® PROWOOD
8005**

Pyrethroid and DCOIT concentrated formulation indicated for paint and coating formulation. The application of this product adds value to the formulation since it provides repellent and curative efficacy for final products.

**IPEL® PROWOOD
8008**

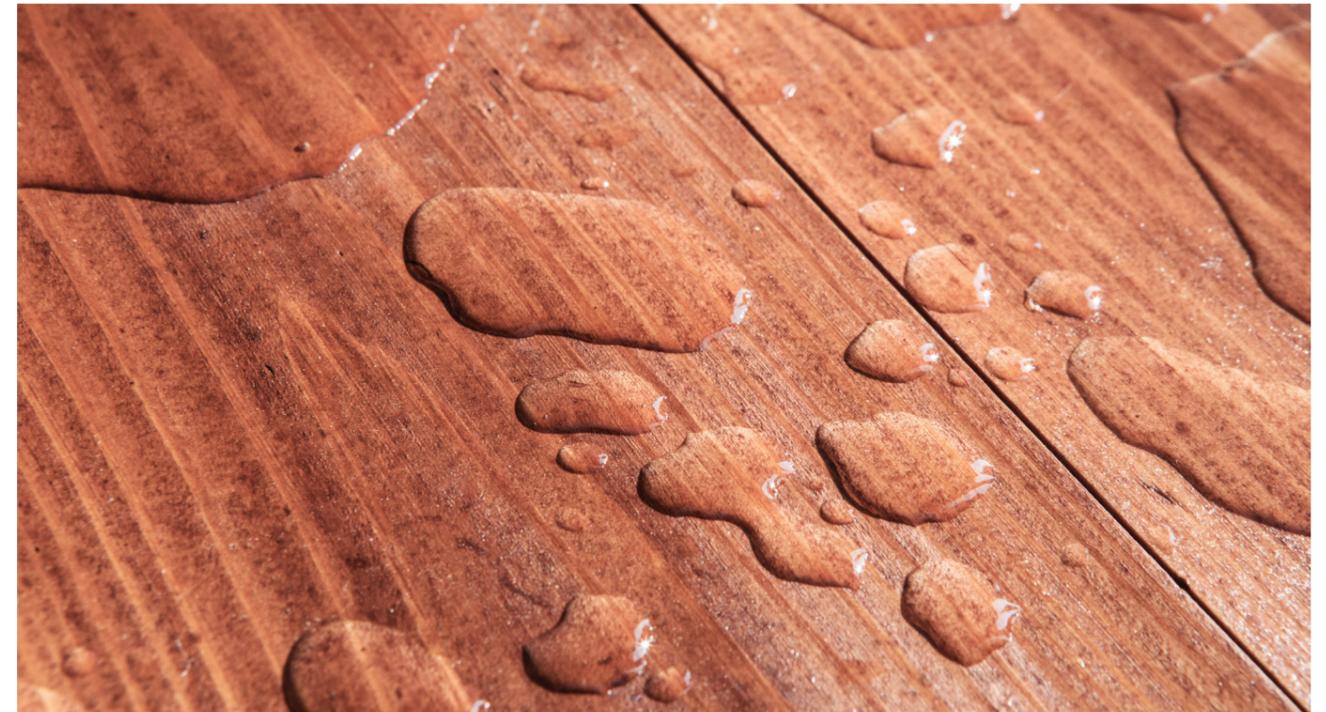
Concentrated fungicide based on DCOIT to be used as an active ingredient in the preparation of formulations for wood preservatives, paints, varnishes and stains. It also has repellent efficacy against termites. It can be used in solvent-based or water-based formulations, dispersions, and solid products. **IPEL® ProWood 8008** is free of formaldehyde, phenolic and ethoxylated compounds and has an excellent compatibility and stability to UV radiation with low toxicity.

WATER REPELLENT

To complete the Prowood line, we have developed a water repellent additive, which is used in solvent-based wood preservatives, termiticides, stains, paints and varnishes formulations. It enhances the protection of dry wood as it improves dimensional stability and protection against moisture. It enhances the fixation of the active ingredients inside the wood. In addition to protection, the water repellent additive still has a secondary function, acting as a matting agent.

**IPEL® PROWOOD HR
100**

Water Repellent additive. Enhances dimensional stability, easy to handle and to use. Stable and compatible with most fungicides like IPBC, DCOIT and insecticides like Cypermethrin, Permethrin, Deltamethrin and other Pyrethroids.



WOOD BRIGHTENER



In addition to our products designed to be incorporated into wood paints, Varnish, wood stains and preservative formulations, we have developed two other products: Stain Remover and Wood Brightener. They brighten and restore the natural beauty of wood. They also can be used for other materials such as paper, cork and straw. These products can be supplied in concentrated form or ready to use.

IPEL® PROWOOD AM 200

Removes stains caused in sawmills by the equipment used in the dismemberment of logs and sawn timber.

IPEL® PROWOOD RM 100

Remove stains caused by lignin oxidation by exposure to weathering and sunlight.

APPLICATIONS

IPEL® ProWood Line

For use in	8001	8003	8004	8005	8008	HR 100	AM 200	RM 100
Wood Preservative Formulations	●	●	●	●	●	●		
Paints & Varnishes & Stain	●	●	●	●	●	●		
Insect Repellent Formulations				●				
Line Complement Products						●	●	●

**** The suggested dosages of use may be changed according to the needs and indications of each product and application.**

Note 1: All products recommended and indicated in the treatment and preservation of wood must be properly authorized by IBAMA (Brazilian Institute of Environment and Natural Resources) in accordance with Normative Instruction No. 5 and Interministerial Ordinance 292, thus complying with current legislation.

Note 2: In case of varnishes, stains and other wood finishes the ABNT (Brazilian Association of Technical Standards) defines that only products with fungicide protection requires IBAMA registration (Brazilian Institute of the Environment and Renewable Natural Resources).

PREVENTOL®



Preventol® A8

Concentrated fungicide based on Tebuconazole (min. 94%) delivered as powder. Provides effective protection against fungi, including wood-rotting Basidiomycetes strains. **Preventol® A8** can be applied to wood via dip treatment, double vacuum, or pressure treatment.

Preventol® A12

Concentrated fungicide based on Propiconazole (min. 94%) delivered as clear, viscous liquid. Fungicide for water-based and solvent-based wood preservative, wood stains and wood coatings. **Preventol® A12** has a broad spectrum of activity towards mould and staining fungi and is particularly effective against wood-rotting Basidiomycetes strains.

Preventol® HS 12 CE 50

Insecticidal concentrate intended for use in wood preservatives as well as for the preservation of wooden compounds, such as MDF, OSB and Plywood. **Preventol® HS 12 CE 50** is an emulsifiable concentrate formulation based on Cyfluthrin, a highly effective insecticide from the pyrethroid group with a broad spectrum of efficacy. It is effective against wood-destroying insects and their larvae, including common furniture beetles and various types of termites such as *Reticulitermes santonensis* and *Cryptotermes brevis*. **Preventol® HS 12 CE 50** is duly registered at IBAMA under NO 6763/06.

Preventol® MP 100

Contains 98% w/w IPBC. Intended to be used as an active ingredient in wood preservative formulations. **Preventol® MP 100** can be used either in solvent based or water-based formulations, but also in dispersions and solid products. Additionally **Preventol® MP 100** provides an effective protection of other materials such as polymers, composites, masterbatches, mortars etc. against microbiological deterioration caused by staining fungi and moulds.

Preventol® O extra

Concentrated fungicide based on o-phenylphenol (OPP- Min. 99.5 %) delivered as flakes. Broad-spectrum of activity covering bacteria, wood-discoloring fungi (particularly sap stain), mould fungi infestation as a fungicide for the temporary protection of sawn timber and yeasts.

Preventol® OF

Concentrated fungicide based on o-phenylphenol (Min. 30,0 %) delivered as liquid. Broad-spectrum of activity covering bacteria, wood-discoloring fungi (particularly sap stain), mould fungi infestation as a fungicide for the temporary protection of sawn timber and yeasts.

Product	Delivery form	Fungicide	Insecticide	Freshly Sawn Timber	Dry Wood
Preventol® A8	Powder	●			●
Preventol® A12	Liquid	●		●	●
Preventol® HS12 CE 50	Liquid		●	●	●
Preventol® MP 100	Powder	●		●	●
Preventol® O extra	Flake	●		●	●
Preventol® OF	Liquid	●		●	

APPLICATIONS

Preventol® Line						
For use in	MP 100	HS 12 CE 50	O extra	OF	A8	A12
Wood Preservative Formulations	●	●	●	●	●	●
Paints & Varnishes & Stain	●	●				●



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