

QUALITY PROTECTS.



For **mold-free** gypsum board
without concern.

X Sporgard®

QUALITY WORKS.

LANXESS
Energizing Chemistry

MOLD IN GYPSUM BOARD?

In an ideal world there is no mold in dry wall constructions. In practice, however, mold can grow virtually anywhere if enough humidity is present.

With Sporgard® WB treated building products there is no concern, neither with mold nor with side effects.



UNIQUE PROTECTION WITH SPORGARD® WB

Sporgard® WB is a synergistic blend of modern substances which are also used in crop protection.

An important focus in the development of Sporgard® WB was the absence of human health related matters.

It is an acceptable raw material to obtain a GreenGuard Gold certification for the gypsum board. The concentrated Sporgard® WB as a chemical product does not require human health related product labeling.

There are three different active substances combined in Sporgard® WB, each one acting with a different mode of interference on mold cells.

The result is a unique clean and very effective protection against mold. Outstanding stability against heat and high pH values make Sporgard® WB an ideal product for applications in gypsum board factories and paper mills.



TYPICAL SITUATIONS LEADING TO MOLD

Condensation from warm air on cold surfaces

- Cool interiors in hot and humid climates – condensation on the „backside“ of the board
- Heated interiors in cold climates – condensation on walls inside the rooms

Improper handling or installation of board

- Open board storage and transport in adverse weather
- Board in contact with wet floor screed

Mishaps in households

- Leakages of plumbing or household appliances
- Open windows during rain

ADDING SPORGARD® WB TO THE GYPSUM MASS...

Sporgard® WB is a liquid white dispersion. It can be added to the gypsum mass easily. For a reliable performance it must be distributed evenly.

By adding appropriate dosages of Sporgard® WB to the gypsum core, the board will achieve best results in ASTM D-3273 and the more stringent ASTM G21 tests. There have been no reports regarding smell or discoloration.

There are no specific handling or safety requirements; however, spillage of Sporgard® WB into the environment or draining into the sewage system must be avoided. Sporgard® WB must not get in contact with soil, waterways, drains and sewers.

... OR TO THE CARDBOARD LINER AT THE PAPER MILL

An attractive alternative to gypsum core protection is the application of Sporgard® WB to the cardboard liner at the paper mill.

With its high heat and color stability Sporgard® WB is ideally suited for this option. Adding 0.20 – 0.5 % of Sporgard® WB to the paper will keep the surface of the board clean from mold. Gypsum board treated in this way will pass tests ASTM D-3273 and the more stringent ASTM G21.

The advantage of the paper option is not only more economical on Sporgard® WB consumption, but it may also allow for better production logistics with the possibility to centralize the addition of Sporgard® WB in one paper mill to serve several gypsum board plants.

The application of Sporgard® WB into the paper should be done preferably in the dry end of the paper machine, for example in a sizing press or by other surface treatment. This requires initial plant trials in the paper factory before the process is running smoothly to ensure reliable dosages of Sporgard® WB in the paper.



REGULATORY SITUATION

EU

Sporgard® WB can currently be sold in Italy, France, Portugal, UK and Spain. It has been nationally notified in these countries under the so-called transitional provisions of the BPR for product types 7, 9 and 10 (UK only 7 and 9). Up-to-date information on the registration status of our products can be obtained from: regulatory-support-biocides@lanxess.com.

OTHER REGIONS

Sporgard® WB may be applied to gypsum board in most other countries.

AVAILABILITY

Sporgard® WB is supplied in

- 1,100 kg IBC or in
- 200 kg drums





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Use biocides safely. Always read the label and product information before use.

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