



**ZELLER + GMELIN**

# Multiboard

Release agents for the wood panel industry



# Multiboard – Release agents for the wood panel industry

Zeller+Gmelin provides under the brand of Multiboard, a wide range of high-quality release agents for the wood panel industry. Our portfolio offers ideal solutions for your application in the wood panel industry. Due to our continuous in-house R&D work, we can ensure to fulfill your technical requirements.

Understanding + providing solutions – that's how we develop industrial lubricants and release agents for the wood-based panel industry in a practice-oriented cooperation.

Our company is certified according to DIN EN ISO 9001: 2008 and DIN EN ISO 14001: 2009 guarantee an equally high quality standard of the manufactured products and offers you the highest possible process reliability.

## **Your benefits:**

- + free from substances which impair the lacquering process
- + excellent storage stability
- + optimizing production processes
- + solutions tailored to your manufacturing processes
- + high operational safety and cost efficiency

In us you find a qualified system supplier, which has a broad portfolio of high-quality process auxiliaries for the wood-based panel industry.

Our product range includes not only release agents for the forming and press belts but also water-miscible cooling lubricants, heat transfer oils, industrial greases, machine oils and products which are already used in the forest.

## **Particleboards and Fibreboards**

### **Multiboard Universal**

A water-soluble concentrate to prepare a release agent for the production of fibreboards resp. particleboards. The product shows outstanding release characteristics in combination with urea-formaldehyde (UF) resins and can be applied by spraying resp. rotor devices.

### **Multiboard Basic LF**

A water-soluble concentrate to prepare a release agent for the production of UF-bonded fibreboards resp. particleboards. The product shows an outstanding low foaming tendency and suits perfect for the application via rotor devices.

### **Multiboard Spezial LF**

A water-soluble concentrate to prepare a release agent for the production of UF-bonded fibreboards resp. particleboards. The product has special wetting properties, which enable to reduce the needed primer amount in the downstream lacquering process.

### **Multiboard Ultra**

A water-dilutable concentrate to prepare a release agent for the production of isocyanate bonded fibreboards.

### **Multiboard Universal HP**

A highly efficient water-dilutable concentrate to prepare a release agent for the wood panel industry. The highly efficient active substance combination enables very low working concentrations.

### **Multiboard Steam Boost**

A water-soluble concentrate to prepare a release agent for the wood panel industry.

These speciality generates a steam boost effect at the press entrance, which expedites the hardening of the resin.

## **OSB-Boards**

### **Multiboard Extra**

A water-dilutable concentrate to prepare a release agent for isocyanate (PMDI) bonded oriented strand board.

### **Multiboard Extra CB**

A highly efficient water-dilutable concentrate to prepare a release agent for isocyanate (PMDI) bonded oriented strand board especially with roller application.

### **Multiboard Extra HP**

A highly efficient water-dilutable concentrate to prepare a release agent for isocyanate (PMDI) bonded oriented strand board especially via spray application.

### **Multiboard Clean**

A water-soluble concentrate for the preparation of a cleaner for adhesions in combination with isocyanate (PMDI) on the press belts and sheets.



## Multiboard approvals

### Application equipment manufacturer

Multiboard products have proven themselves in the use of different methods of application. Furthermore, there is close cooperation between ZG and application equipment as well as forming belt manufacturers.

In the production of fiberboard/chipboard, it is generally imperative to apply release agents to the fiber mat and conveyor belt. The use of our release agents prevents the fiber mat from adhering to the conveyor belt and optimizes the pressing process and the cleanliness of the steel belt. By optimizing the board surface after the pressing process, the subsequent grinding operations can be minimized. The release agent is applied by means of spraying or rolling devices.

### WEKO

The rotor application equipment manufacturer WEKO Weitmann & Konrad GmbH & Co. KG has granted us approvals for the following products:

- + **Multiboard Basic**
- + **Multiboard Basic LF**
- + **Multiboard Spezial**
- + **Multiboard Spezial LF**
- + **Multiboard Extra**
- + **Multiboard Extra CB**
- + **Multiboard Steam Boost**
- + **Multiboard Universal**
- + **Multiboard Ultra**



### Westland

Development company Westland Gummiwerke GmbH & Co. KG has confirmed the following release agents to be media resistant in accordance with DIN 53521

- + **Multiboard Basic**
- + **Multiboard Spezial**
- + **Multiboard Extra**
- + **Multiboard Extra CB**
- + **Multiboard Extra HP**



The test results attest low to moderate swelling effects and interactions between the specified media and the tested elastomer materials.

If required, we can gladly send you the approvals for each individual product.

## **EXPERTLY DONE.**

Zeller+Gmelin GmbH & Co. KG · Schlossstraße 20  
73054 Eislungen/Fils · Germany  
Phone: +49 7161 802-0 · info@zeller-gmelin.de  
www.zeller-gmelin.de

1P344174-0519

