

# RESOPAL® MAGNETIC

## PRODUCT DATA SHEET

### 1. Material description and composition

RESOPAL Magnetic is a magnetic high-pressure decorative laminate (HPL) that is used in interior design, and complies with the „Specifications for laminates with alternative core constructions“ of DIN EN 438 part 9.

In addition to the general standard construction, the panels described here are notable for their ferro-magnetic properties. A metal film is pressed within the laminate that gives it magnetic properties, which means that papers can be attached to the surface of the laminate by magnets. And because the film is pressed into the laminate rather than attached to the surface, RESOPAL Magnetic has the same excellent surface properties and the same decorative variety as other RESOPAL HPL options.

### 2. Application

Because of the metal film present in the modified construction, a number of points need to be taken into consideration in addition to the general recommendations with regard to the storage, machining and processing of RESOPAL Magnetic:

- HM circular band saws with the appropriate number of trapeze/trapeze teeth are suitable for cutting.
- Tool wear may increase very slightly during further processing
- Sparks (dust explosion) may also fly during processing (sawing, milling, drilling etc.).
- Panels must be carried absolutely flat in order to prevent cracks and bends in the surface.
- Avoid direct heat over 40 °C

### 3. Type

Format	3050 mm x 1220 mm
Thickness	1,2 mm other side sanded
Surface structure	20, 60, EM
Decor	all decors of the Resopal - Collection (REINVENT with RESOPAL)

## 4. Balancing

When manufacturing composite elements with RESOPAL - Magnetic, particular attention must be given to compensation tension by including opposite tension balancing. If you would like to choose the correct balancing, please consider the following part:

The correct balancing depends even from the thickness, the usage an the mounting Type of the product RESOPAL Excellent (bonded boards). There is a possibility to manufacture an asymmetric composite element\*, please observe the following criteria

Thickness substrate	≥ 18mm
Thickness	1,2 mm RESOPAL HPL
Surface structure	like the front
Decor	like the front or 9417

\* Overall we recommend a symmetrical construction when using RESOPAL Excellent. If requested from the customer to have a asymmetric construction, Resopal will not accept any damages regarding warpage.

All information is based on the current state of technical knowledge, but it does not constitute any form of guarantee. It is the personal responsibility of the user of the products described in this information leaflet to comply with the appropriate laws and regulations.