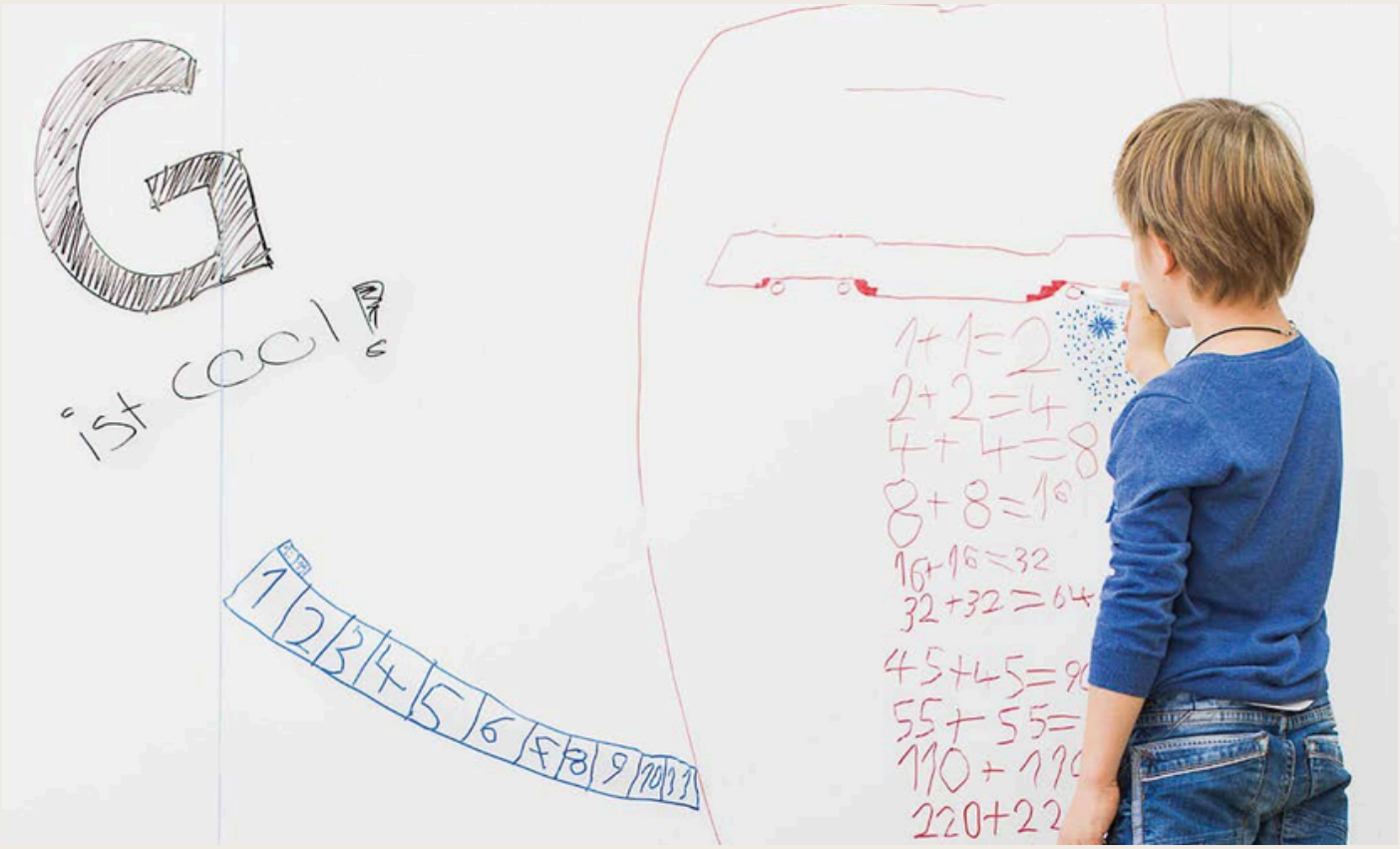


MAGNÉTIQUE SUR STRATIFIÉ

MAGNÉTIQUE

hubler
la matière pour la création

COMPOSITION - FINISH

Decorative laminate products with a melamine-impregnated decorative layer, with the exception of product code MG13, which has two unpatterned, sanded sides, allowing the user to customize the finish.
The backing consists of sheets of kraft paper impregnated with phenolic resin.
A 2/10 mm-thick sheet of metal (not metal powder) is incorporated into the backing, giving this product its high magnetic strength.
Available in a “glossy” or “matte” finish, depending on the product code.

We offer hidden backing sheets in random colors and patterns that match our 10/10th-scale decors: D011.

DIMENSIONS STANDARDS

**SIZES: 244 x 122 cm or 305 x 122 cm,
depending on the product (see price list).**

THICKNESS: 10/10 mm. Tolerance: +/- 0.2

mm. ESTIMATED WEIGHT: 2.8 kg/m²

TECHNICAL SPECIFICATIONS

SURFACE RESISTANCE	The surface protection provides the sheets with satisfactory resistance to scratches, abrasion, and common household and industrial chemicals that do not contain abrasive components (excluding solvents such as acetone) as well as to oxidation.
ENVIRONMENTAL CERTIFICATION	Hubler's magnetic sheets can be FSC®-certified upon request (FSC® license -C201649).
HEAT RESISTANCE	Maximum temperature: 80° C.
FIRE RESISTANCE	Products with a thickness of less than 2 mm are not subject to the Euroclass standards (see EN 438-7).
BENDING	Concave or convex cold bending is possible with a minimum radius of curvature of 35 cm to prevent microcracks.

STOCKAGE

Given the nature of the magnetic sheet and to prevent surface cracking, it is recommended that it be transported lying completely flat, possibly on a panel-type support.
Before bonding, and to prevent warping, the sheets must be stored and packaged flat for several days in a closed, dry room along with the substrates and balancing materials.

The conditions to be observed are:

TEMPERATURE: 18 to 25°C.
RELATIVE HUMIDITY: 40 to 60%.

The sheets should be laid flat (without touching the floor), in stacks or in racks.
The decorative surfaces should face each other, and the top sheet should be placed face up and covered to keep the stack flat.
They must also be protected from sunlight and moonlight.
A sheet delivered rolled up in a cardboard box cannot be used immediately.

EQUIPMENT

Hubler® magnetic sheets are labeled with the date of manufacture on the protective film. Minor color variations may occur between batches.
It is important to inspect the product and identify any batches before use. An arrow on the film indicates the direction in which the sheet should be installed; this direction must be followed consistently throughout the entire production run.

IMPLEMENTATION

DIRECTION OF INSTALLATION	Depending on the direction in which they are installed, the magnetic markers may show slight variations in color; before applying them, be sure to check the direction of the arrows printed on the protective films.
HOT-PRESS BONDING	Pressure *: maximum 3 kg/cm² (reduced to 1 kg/cm² for polished aluminum to prevent “telegraphing”). * When press-bonding embossed decals, insert a sheet of foam to compensate for pressure differences caused by the embossing. Temperature: maximum 60°C to avoid creating stresses that could adversely affect the proper performance of the various components (brackets, etc.).
BALANCING	To counterbalance these panels, we recommend using magnetic panels, model D011, with the exception of model MG13, which must be counterbalanced with the same model due to its specific characteristics.

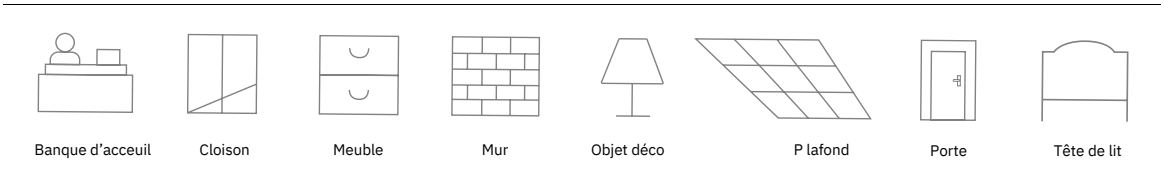
MACHINING	Due to the thickness of the metal sheet used, sparks may occur during machining. When cutting, it is recommended to limit the saw blade's rotational speed to 1,500 revolutions per minute and the feed rate to approximately 8 meters per minute (carbide-tipped circular saw blade—"dry cut," blade dimensions 305 x 2.2/1.8 mm —60 teeth—15.96 mm between each tooth). Please note: Magnetic-faced panels cannot be cut flush, but they can be trimmed. For any requests regarding double-sided magnetic-faced panels, we do not offer trimming services at our production facility. Trimming is possible if the magnetic panel is single-sided.
PROTECTION	All sheets (except MG13) are protected on the surface by a transparent plastic film (which offers poor UV resistance) that should only be removed by the end user once the work is complete to prevent any surface damage during use (writing on the protective film is not recommended due to the risk of scratches or smudges from felt-tip pens, markers, etc., on the surface of the sheets).

USE

It is recommended that you clean the surface after removing the protective film and before using the panels for the first time to remove any adhesive residue.

For this thorough cleaning, standard alcohol (ethyl alcohol) can be used. Recommended product—lé : V100 de chez EDDING.

Numerous applications for low-stress vertical use (display or presentation panels—including rear projection of documents using MG14 "matte" white—charts, office furniture, children's room furniture, pharmacy furniture, wall coverings in meeting rooms, etc.).



Items with a glossy finish are designed for use with dry-erase markers, while those with a matte finish are designed for use with chalk.
Item MG14 is designed for overhead projection.

Item MG13 also allows users to create a custom finish, for example, by adding a veneer, paint, wallpaper, etc. In the latter case, we do not recommend using water-based adhesives when applying moisture-resistant finishes: moisture would then become trapped beneath the surface and, as a result, could negatively affect the applied finish.

MAINTENANCE

MAGNETIC PANELS WITH A “GLOSSY” FINISH
Glossy surfaces are designed for writing with dry-erase markers.
As for cleaning, they can generally be wiped down dry with a
“microfiber” cloth.
The quality of the markers used is crucial to the cleaning results.
Conventional cleaning products, or sometimes simply a damp sponge, may prove more effective for cleaning these surfaces.
To maintain the optimal quality of the finishes,
we recommend erasing the marker regularly.
The glossy finish is protected on the surface by a film that should not be removed until after installation. It is recommended to clean the surface after removing this protective film and before using the panels for the first time to remove any adhesive residue. For this thorough cleaning, standard alcohol (ethyl alcohol) can be used.
Recommended product: V100 by EDDING.
Never use detergents containing greasy or oily substances, such as dish soap or special laundry detergents. They would leave a greasy film on the surface of the panels, making dry cleaning very difficult.

MAGNETIC PANELS WITH A “MATTE” FINISH
This surface is designed for writing with chalk and can be cleaned as needed with a damp sponge, just like traditional chalkboards used in schools.
Certain chalk markers are not recommended for writing on porous surfaces. Matte finishes are slightly absorbent, so we do not recommend using this type of chalk marker.
We advise customers to test these markers before use.
The matte finish is protected on the surface by a film that should only be removed after installation. It is recommended to clean the surface after removing this protective film and before using the panels for the first time to remove any adhesive residue.
For this thorough cleaning, standard alcohol (ethyl alcohol) can be used.
Recommended product: V100 by EDDING.
DOUBLE-SIDED SANDED MAGNETIC PANEL – MG 13
The sanded surface of this product allows for custom finishes, such as the addition of lacquer, veneer, wallpaper, another laminate panel, etc.
When used under wallpaper, this product creates wallpapered wall surfaces
that are magnetic without altering the overall look of the room.
Cleaning such customized surfaces depends on the materials chosen for the surface and,
consequently, on their specific properties.
GENERAL NOTES REGARDING MARKERS
As previously noted, writing done with dry-erase markers can generally be wiped off dry.
Depending on the quality of the markers used, slight residue (“ghost images”) may remain visible.
It is recommended to perform a thorough cleaning with ethyl alcohol from time to time. Experience shows that the quality of the markers, their age, duration of use, and storage conditions are decisive factors for cleaning.
The mixing ratio of the marker ink (three components) also affects dry cleaning, and it is necessary to store the markers in a horizontal position
(follow the manufacturer’s instructions in this regard).
However, if dry cleaning proves problematic, it is advisable to first
perform a thorough cleaning and then try different markers to achieve the best possible result.

WARRANTY

HUBLER guarantees the intrinsic quality of the panels it sells, ensuring they possess
the characteristics defined in this document. It is specified that irregularities or imperfections in the surface, structure, or color should be considered normal and do not constitute a defect in the products.
In the event of a dispute, the warranty and liability of HUBLER and the manufacturer, FORMICA France, shall be limited to the free supply of unpatterned sheets to replace those found to be defective, as the installation and intended use of the products are beyond the control of these two companies.
The manufacturer’s technicians are available to assist customers
in the event of specific technical issues.