

Product data sheet

Langenthaler Str.4
69434 Hirschhom/Neckar
Germany
Tel.: +49-6272-689-0
Fax: +49-6272-6893-0

Version: 10ZT09D

dekopix

Product description

The product name **dekopix** designates **decorative high pressure laminate (HPL) according to DIN EN 438-1**, whereby their print data is provided by the customer in electronic form for digital printing.

As defined in this standard, core layers are impregnated with phenolic and / or amino resins, and a top layer or layers, impregnated with amino resin (mainly melamine resin) are pressed into decorative high pressure laminates.

The top layer in product line **dekopix** is a digital print with a melamine surface. The digital print in **dekopix** is protected by this melamine surface. The **dekopix** boards are therefore resistant against weak acids and bases. Graffiti also can be easily and without any residue removed from this surface by using Graffiti Remover.

The printed special papers are preferably produced in a digital printing process. The colour line is secured in these prints. These prints are free of heavy metals and have a high light stability (within the scope of standard tolerances).

The DIN divides the HPL products according to material types and their specific base characteristics:

- 1) Standard quality = Type S (thickness < 2.0 mm)
- 2) Standard quality = Type S (thickness ≥ 2.0 mm)

Dekopix - designs can be produced in various surface structures, such as matt (MA), high gloss (HGL) or (MPM).

Backing sheet for dekopix: RS 16 GLA 010

This backing sheet is a white uniform melamine laminate board with a smooth surface without any special quality requirements.

dekopix

Delivery form and quality

All **dekopix** - boards are delivered in dimensions of 2440 x 1220 mm.

The tolerance limits for the dimensions along and across the sheets as required in DIN EN 438 are: -

- 0 mm and +10 mm.

The board thickness of **dekopix** - Boards can be manufactured from 1,0 mm to 4.0 mm.

The standard thickness in these designs is 1.0 mm (weight: 1.68 kg/m²)

The limits according to DIN EN 438 also apply for the thickness variations.

Nominal thickness	Limit deviations
> 1.0 – 2.0 mm	± 0.15 mm
> 2.0 – 2.5 mm	± 0.18 mm
> 2.5 – 3.0 mm	± 0.20 mm

For purchase of thicker **dekopix** - Please send an enquiry in-house for clarification.

The fire performance of the **dekopix** - Standard quality corresponds with classification B 2 (standard flammable) according to DIN 4102

All dekopix finishes are manufactured as per standard quality.

The lamination of these boards is available with a heat-resistant film.

Application and processing information

The use of **dekopix** is intended for decorative surfaces in interior finishing and furniture industry. The melamine resin on the laminate surface guarantees the use of **dekopix** in both vertical and in horizontal applications. The laminate surface is easy to clean; a closed surface and a joint-free design meets the highest hygiene standards. The mechanical and chemical properties (e.g. scratch resistance, impact resistance, heat resistance, and stain resistance) are superior use properties of **dekopix**.

Typical applications include: wall panels, ceiling panels, doors, stairs, windows, kitchen furniture, bathroom furniture, home furniture, hotel and restaurant furniture, laboratories, operating rooms and hospitals.

The dekopix laminates can be cut, milled and drilled with carbide tipped tools.

Adhesive types suitable for bonding:

- Dispersion adhesives (PVAc)
- Condensation resin adhesives (UF resin)
- Contact adhesives
- Reactive adhesives
- Hot melt adhesives

A gluing application of about 100-150 g/m² and a pressing pressure of about 2-5 bar are used to glue dispersion adhesives and condensation resin adhesives.

dekopix

The pressing temperature can be selected between 60-80° C. However, the higher the bonding temperature is, the greater is the risk of distortion.

The processing instructions by the manufacturer must be followed for the contact adhesives, reactive adhesives and hot melt adhesives.

A symmetric structure must be observed for composite elements, i.e. the back is glued to a suitable backing sheet board. A good flatness is achieved when using the same board quality on the back of the element with a 2nd-grade board, or with backing sheet board RS 16 GLA 010.

Cleaning and Maintenance

The **dekopix**- surface is cleaned with a clean cloth, with a damp sponge or with a soft brush. Water with detergent, soft soap or washing soap can be used as a cleaning agent. The surface can be wiped dry with paper towels.

Please proceed as prescribed by the manufacturer of the Graffiti Remover when removing graffiti. It is recommended to perform a test on a small area with the Graffiti Remover prior to removing large-area graffiti.

Abrasive cleaners should not be used.

Storage

The **dekopix** laminate boards must be stored flat and horizontal in a closed room at 18-25°C and 50-60% relative humidity at a distance of 200 mm from the floor.

The board stacks must

- be protected from moisture
- may not be exposed to direct sunlight
- may not be placed under a hot-air current.

If a horizontal storage is not possible, an inclination of 80° with full-surface contact and lower counter-support is recommended

Disposal

dekopix – waste can be **burned** in industrial incinerators approved by the authorities.

dekopix – waste can be **deposited** in disposal sites subject to the local waste legislation.

TA waste categorised as of March 28th 1991, Category 1, Number 571, states that the high-pressure laminate waste is to be disposed of like "other hardened plastic waste material". Category I means that the to be wasted material is similar to household waste.

Please contact our service department, if you have any questions. You can also clarify any open questions regarding specific details of DIN EN 438 with us.

If you need a sample for approval, you can obtain these in form of sample chains or hand specimens in DIN A5 or DIN A4 format from Dekodur®.

dekopix