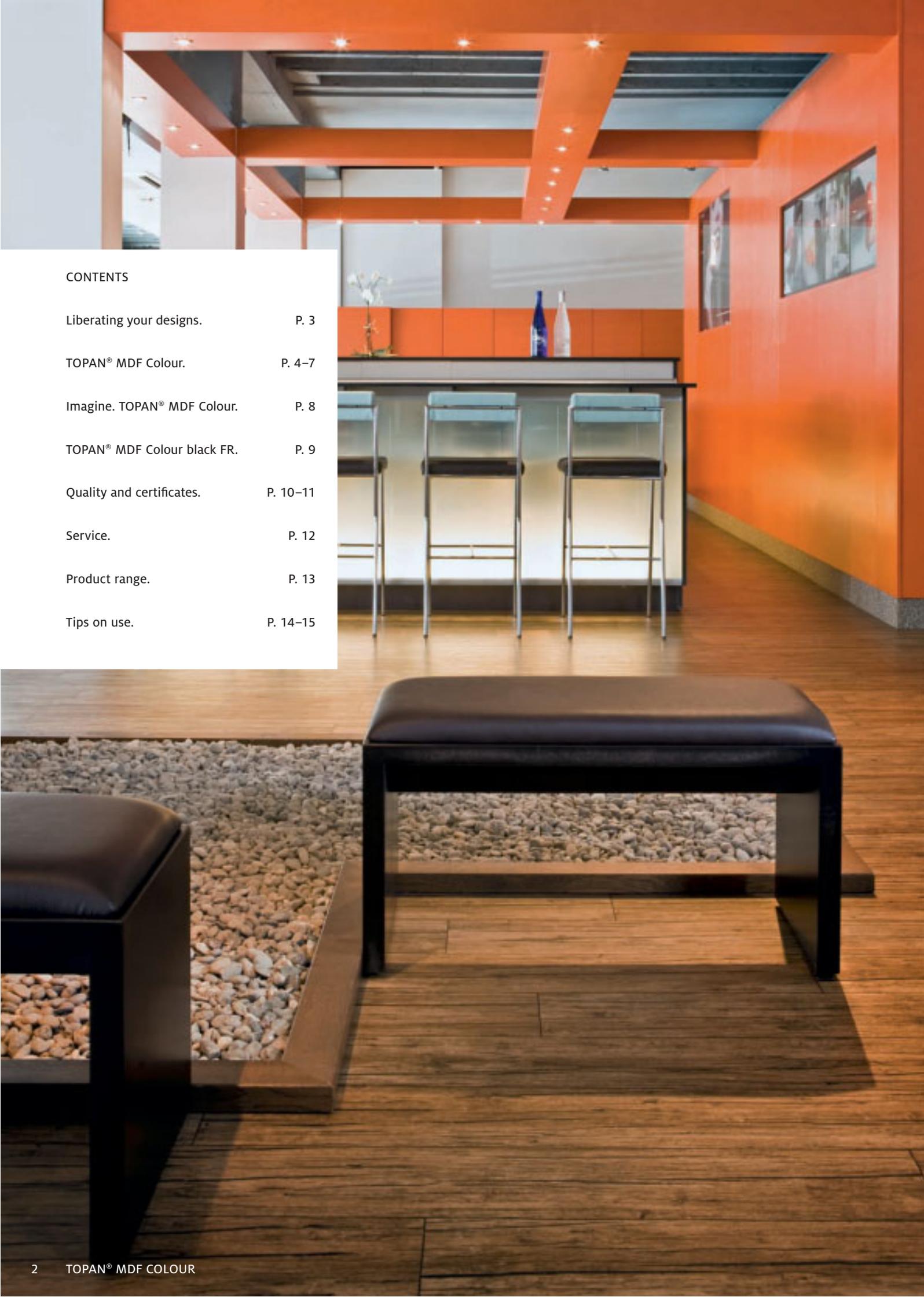




TOPAN[®] COLOUR

WELCOME TO A WORLD
OF OPPORTUNITIES.
TOPAN[®] MDF COLOUR.



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LIBERATING YOUR DESIGNS.

TOPAN® MDF Colour boasts an exciting range of new opportunities for implementing your designs and ideas. Be it TOPAN® MDF Colour, TOPAN® MDF Colour black FR or in combination with CRYSTALLIZED™ – *Swarovski Elements*: your creative scope is multi-coloured and boundless.

Over the past 20 years, the TOPAN® brand has come to symbolise the innovative product range of Glunz AG, a leading manufacturer of derived timber products, and part of the global company Sonae Indústria. Today, TOPAN® is acknowledged as one of the most creative and versatile materials across the design world. And for good reason: State-of-the-art production technology, a market-driven and eco-compatible orientation, permanent quality controls and outstanding partners, such as BASF or Swarovski, ensure that TOPAN® MDF Colour is a truly unique material, available in eight brilliant colours.



ENTER A WORLD OF DESIGN CREATIVITY.

In an industry dependent upon creativity as a key factor for success, versatile, practicable and intelligent materials are at a premium – materials that facilitate the emergence of innovative ideas and the shaping of new trends. TOPAN® MDF Colour grants you this creative scope. It is versatile, because its brilliant colours, uniformly dyed through the board, provide virtually unlimited construction and application potential, because it is highly durable and can be processed in the same way as wood on all standard machinery. Furthermore, it is intelligent, because its formaldehyde-free bonding is healthy and non-toxic, and, as a sustainable resource, is ideally suited for the designs of the future.





The Material.

TOPAN® MDF Colour is an MDF product with uniform colouring throughout. It also boasts high-quality formaldehyde-free bonding and high bending, transverse tensile and screw-holding strength. The application of skilfully debarked softwood and formaldehyde-free PUR resin guarantees a fine, dense surface. The homogeneous board construction, comprising wood fibre and an extremely low concentration of minerals, prolongs tool life and opens up a diverse range of shaping possibilities. In addition, the innovative PUR bonding and the high-grade colourfast pigment formulation of the BASF paints we apply guarantee excellent resistance to light and extremely durable, creative solutions.

Product benefits

- Healthy and non-toxic due to the formaldehyde-free PUR bonding.
- Brilliant colours, through-dyed and resistant to damp.
- Excellent colourfastness due to unique pigment formulation.
- Exceptionally long service life.
- Versatile processing and application possibilities.
- Easy to varnish, wax, veneer and coat.
- High bending, transverse tensile and screw-holding strength.
- Numerous areas of application both in domestic and business premises.
- Highly resistant to damp.



The Colours.

Black, brown, grey, blue, green, red, orange, yellow.

Naturally we will gladly answer any queries you may have on further processing and other applications.

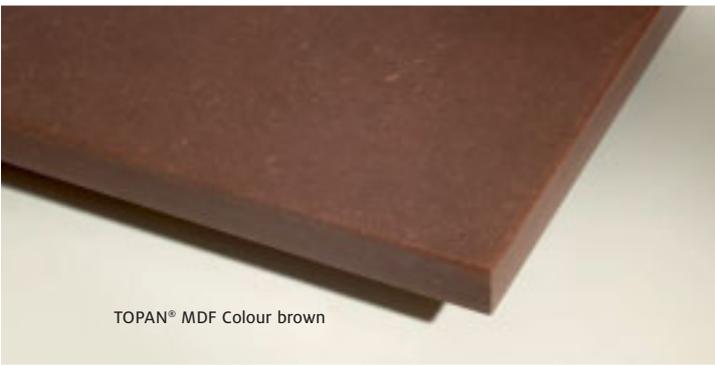
For more detailed information, please visit our Internet site at www.topan-colour.de.

COLOURS WHICH COME ALIVE. DESIGNING WITH TOPAN[®] MDF COLOUR.

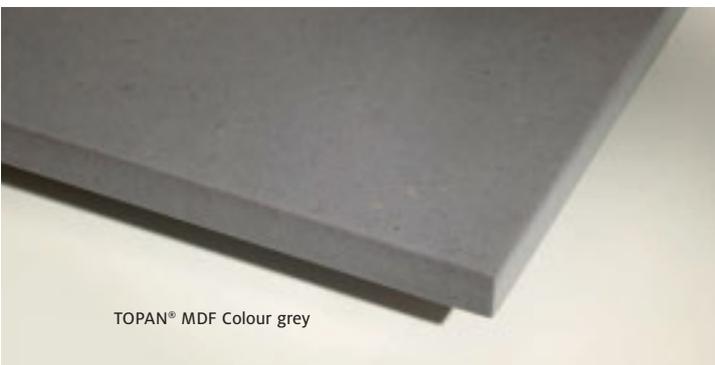
TOPAN[®] MDF Colour is available in eight brilliant colours. By virtue of their consistent through-colouring they are easily treated since the edges always retain their true decorative colour. Depending upon the mood you wish to evoke in your designs, the material can be varnished, waxed, veneered or coated in order to create individualised highlights, ranging from high gloss to the natural matt.



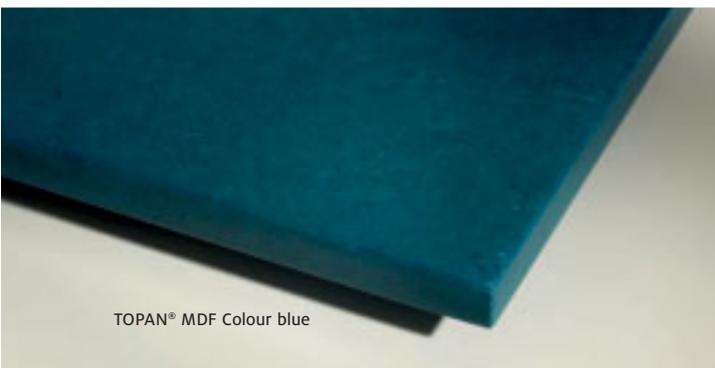
TOPAN[®] MDF Colour black



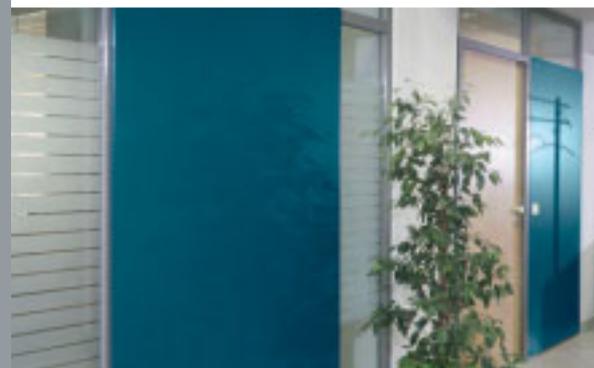
TOPAN[®] MDF Colour brown



TOPAN[®] MDF Colour grey

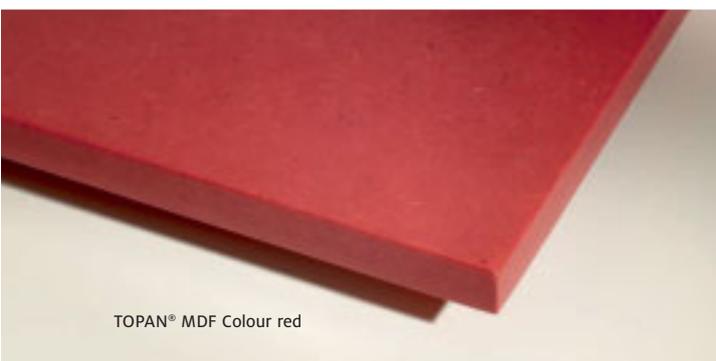


TOPAN[®] MDF Colour blue

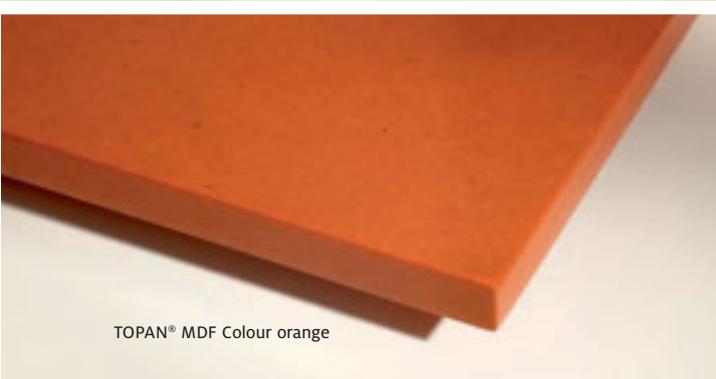




TOPAN® MDF Colour green



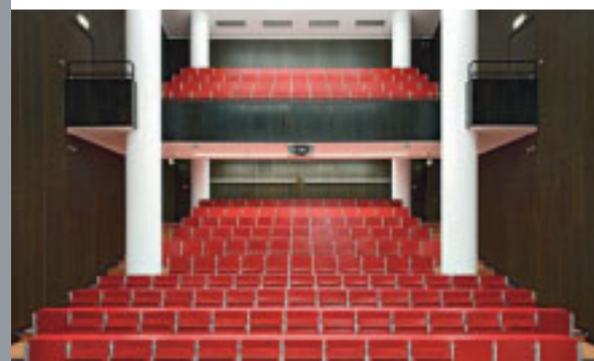
TOPAN® MDF Colour red



TOPAN® MDF Colour orange



TOPAN® MDF Colour yellow



Areas of application

Interior | Home, business and office furniture | Desk and work tops with shaped and visible edge profiling Furniture frontises with visible edges

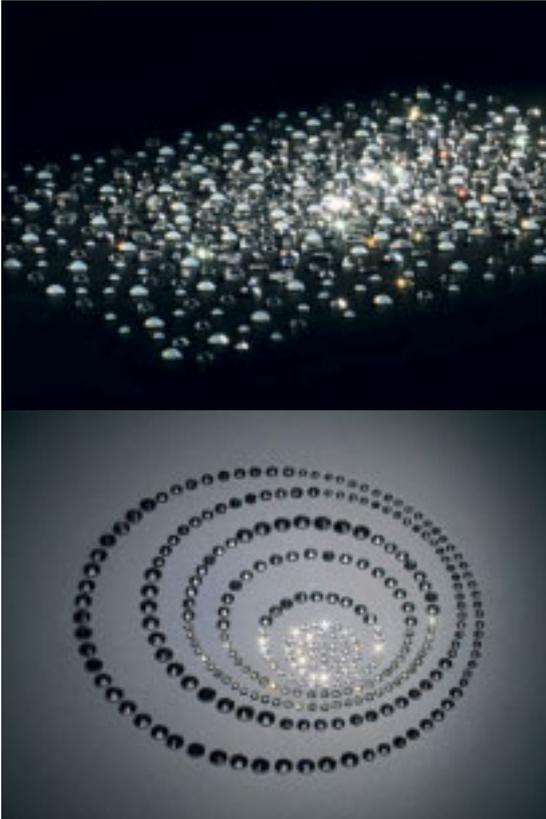
Product benefits

- Healthy and non-toxic.
- Brilliant through-dyed colours.
- Easy to varnish, wax, veneer and coat.
- Range of shaping possibilities.
- Decorative edge.

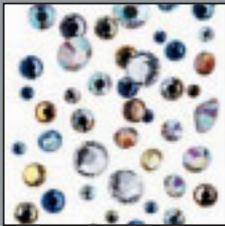
THE BRILLIANT COMPOSITION. IMAGINE. TOPAN® MDF COLOUR.

The brilliant idea for interior decorating. The instant appeal of the product innovation from CRYSTALLIZED™ – Swarovski Elements and TOPAN® MDF Colour lies in its aesthetic interplay of form, colour and surface, which opens up an exciting vista of new possibilities for creating exclusive interior designs.

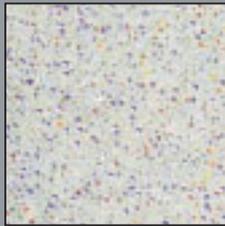
The through-dyed MDF boards, uniformly coloured inside and out, incorporating brilliant CRYSTALLIZED™ – Swarovski Elements reflect the light in a variety of ways, generating a vibrant elegance in which material and surface appear to undergo permanent transformation. These new applications from TOPAN® MDF Colour are available in many different colour variations. They can be combined with CRYSTALLIZED™ – Swarovski Elements such as Chatons, Flat Backs, Crystal Fabric, Crystal Tex or Transfers. For detailed product information, please visit www.topan-colour.de.



Chatons



Flat Backs



Crystal Fabric



Crystal Tex



Transfers





NEW: DESIGN FOR HOT SPOTS. THE TOPAN® MDF COLOUR BLACK FR.

The attractive solution geared to meet the highest safety standards: TOPAN® MDF Colour black FR is the quality design solution for all interior areas subject to stringent fire-prevention regulations. Through-coloured and versatile, the elegant black material boasts all the advantages of TOPAN® MDF Colour, and more besides. Due to its fire retardancy, it serves as the ideal construction material for all buildings and institutions enjoying high public accessibility. This is confirmed not only by numerous designers of schools, administrative buildings, cinemas, department stores and other public buildings, but is also certified by the European norm EN 13501-1, which awarded TOPAN® Colour black FR a classification of B s2; d0 in the Single-Burning-Item-Test.

SAFETY FIRST.

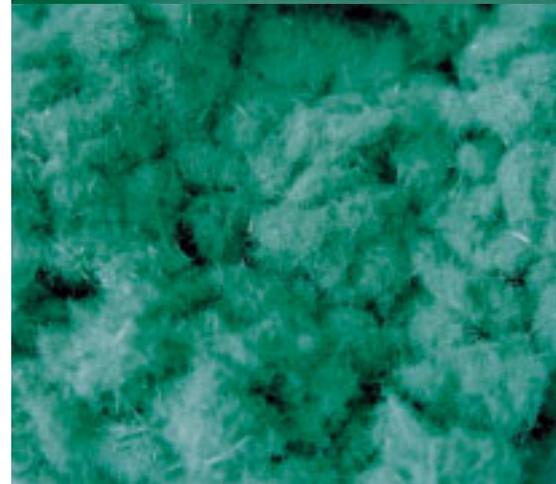
The manufacturing process.

In the production of TOPAN® MDF Colour we primarily use high-quality debarked softwoods such as pine, spruce and larch supplied by commercial forestry. These woods are then processed into chips and finally broken down into fibre in a refiner. This is mixed with PUR resins with the addition of a water-based pigment formulation, and then formed in a drying process involving precisely regulated heat and pressure to yield a homogeneously structured board. The pigment formulation applied to dye the panels uniformly throughout bonds firmly to the wood fibres, which reliably prevents washing out or evaporation even under extreme conditions.

Quality.

Our production of TOPAN® MDF Colour is subject to stringent guidelines and monitoring by independent state-certified agencies. Permanent quality controls are also conducted in our own laboratories. By virtue of its outstanding characteristics, TOPAN® MDF Colour facilitates the professional and unrestricted implementation of design ideas.

Our sites producing MDF are certified according to DIN EN ISO 9001. From development to shipping, all company processes are clearly documented and subject to ongoing quality control and monitoring to ensure consistent product quality.





Quality Management according to DIN EN ISO 9001.

Our production sites in Germany all operate under quality management systems and are certified as DIN EN ISO 9001-compliant. From the purchasing of the raw and auxiliary materials, development and production through to shipping, the quality-related company processes are all recorded and documented. They are also subject to ongoing control, monitoring and constant improvement.

In order to ensure our customers receive the very highest quality, our Topan products are subject to continual monitoring and optimisation. Customer orientation and satisfaction, nurturing customer relations, a commitment to continual improvement and a system-orientated management approach form the foundations of our quality management system.



Environmental Management according to DIN EN ISO 14001.

Not only is environmental protection accorded top priority at our production sites, it is also proactively fostered by our implementation of environmental management systems, which have been certified according to DIN EN ISO 14001.

Environmentally relevant data and guidelines are documented and applied to all our company processes. Due to our ongoing programme of staff training, we can guarantee a responsible approach to ecological issues at our company.

Also strict compliance with statutory measurement values and an ongoing optimisation of our plant technology in relation to gas emissions, effluent and toxic substances contribute to our successful environmental management.

We view eco-efficiency as an integral element of our corporate and social responsibility.



The Occupational Health and Risk Management System.

The profile of Glunz AG is rounded off by certification of our Occupational Health and Risk Management System, an internationally accepted standard, based on ISO norms 9001 and 14001. Our objective is to guarantee the safety and health of our staff.

In order to comply with our legal requirements in fulfilling this goal, our entire company processes have been analysed and evaluated. Procedural directives and programmes ensure that our objectives in relation to occupational health and safety are achieved. In order to guarantee this over the long term, our progress is permanently assessed and monitored on the basis of key performance indicators.



SETTING THE PERFECT EXAMPLE FOR CREATIVE STANDARDS.

Fast and efficient sample ordering service.

The service for testing and sampling. Just contact our Sales Service and in no time at all you will be holding a sample or a perfect example of our creative design solutions in your hands: the TOPAN® MDF Colour box, containing a total of 9 TOPAN® MDF Colour material samples.

More information on
sample orders can be obtained
at www.topan-colour.de

Our focus is centred on design – the Sonae Design-Competence Center.

Still looking for creative design solutions? Extending across an area of over 600 square metres, the Sonae Design-Competence Center showcases a range of innovative materials and application possibilities, keeps you up to speed on the latest trends and shares our Sonae design competence with all those keen to learn more about derived timber products and their design.



TOPAN® MDF COLOUR PRODUCT RANGE.

	Format (mm)	Thickness (mm)			
TOPAN® MDF Colour		10	16	19	25
TOPAN® MDF Colour black	2,620 x 2,070	•	•	•	•
	4,100 x 2,070	•	•	•	•
	5,240 x 2,070	◦	◦	◦	◦
TOPAN® MDF Colour brown	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour blue	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour green	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour red	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour yellow	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour orange	2,620 x 2,070	◦	◦	•	◦
TOPAN® MDF Colour grey	2,620 x 2,070	•	•	•	
TOPAN® MDF Colour black FR	2,620 x 2,070	◦	◦	•	◦

Key:

- Articles in stock
 - on request
- FR fire retardant

Note:

For production-related reasons, colour deviations may be observed between the individual production batches and sheets of different thickness. Colour differences between the upper and undersides of the boards are also possible. Further tips on application are available at: www.topan-colour.de

SELECTED TIPS ON USE.

COMPREHENSIVE INSTRUCTIONS AVAILABLE AT WWW.GLUNZ.DE

GENERAL TIPS ON USE:

Cutting and sawing

- Easy cutting with any popular brands of saw (horizontal or vertical panel dividing saws, as well as normal table saw and circular handsaw).

Shaping and profiling

- TOPAN® MDF is particularly well-suited for shaping panel edges and faces.
- Surface profiling with sander and template, and easy processing with CNC-controlled machines.

Drilling

- Use the same tools and equipment for working with solid wood, plywood and chipboard.

Screwing

- Pre-drilling is recommended to prevent the panel from splitting.
- Best results are achieved by pre-drilling a hole with the same diameter as the screw core.
- Place screws in faces at least 20 mm from the panel edge.
- Place screws in edges at least 70 mm from corners and spaced 30 mm apart.

Bonding and gluing

- For TOPAN® MDF all commercially available types of wood glue and adhesive are suitable.
- Between 80 and 120 grams of adhesive per square metre are sufficient, as they are compressed to a higher density.

Applying filler (particularly TOPAN® MDF Colour Form)

- Finely grained elastic 2K wood fillers are particularly suitable.
- Please observe the manufacturer's recommendations and instructions.**

Sanding and polishing (particularly TOPAN® MDF Colour)

- TOPAN® MDF is supplied sanded ex-factory, using 120-grade paper.
- For extremely high-quality applications such as **high-gloss coatings**, the panels should be initially sanded with 150-grade paper, and then re-sanded using 180- to 220-grade paper.

PRIOR TO VARNISHING AND WAXING (particularly TOPAN® MDF Colour)

Please observe:

- Prior to treatment, please check for any colour deviations between the upper and underside of the MDF boards. In this case, the surfaces must be treated separately. Colour deviations can occur between individual production batches and sheets of different thickness. For technical reasons these are unavoidable.
- Despite the use of colourfast pigment formulations, exposure to direct sunlight can lead to discoloration of the fibres.
- Sharp edges should be avoided and if possible rounded off.

General varnishing and waxing information:

- Applying varnish or suitable waxes minimises the danger of discoloration as a result of exposure to light when the appropriate UV blockers are used/added. Please consult your varnish supplier.
- All standard commercial MDF-compatible varnishes and waxes can be used.
- Strong dilution, lower solid concentrations and/or insufficient application quantity can impact negatively upon varnishing results.
- Prior to varnishing please ensure that the surfaces are completely free of fat, silicone and dust.
- In general you should conduct a test varnish on the panel.
- The best results are achieved when the varnish is applied using the cross-coat technique.

THE FOLLOWING INSTRUCTIONS SHOULD BE OBSERVED WHEN VARNISHING OR WAXING:



Varnishing (particularly at the edges)

Thorough sealing can prevent the varnish from subsequently cracking at the panel edges and faces. It is recommended that this procedure be repeated after sanding.

2-component sealants available from all leading varnish producers are suitable.

Priming

After sealing, the panels should be sanded once or twice and then primed. To obtain a high-quality finish, the priming should be repeated after further sanding.

Final varnish

After priming, the final coat of varnish can be applied using the cross-coat technique. For TOPAN® MDF numerous varnishes are suitable. We strongly recommend that under all circumstances the instructions of manufacturer of the varnish applied (varnish manufacturer) should be fully observed!



Waxing

Apply waxes and oil sparingly using a cotton cloth or rolls of cloth, distribute and rub in evenly to prevent drying.

For TOPAN® MDF numerous waxes and oils are suitable. **Please observe the manufacturer's instructions.**

We strongly recommend that under all circumstances the instructions of the manufacturer of the wax applied (wax manufacturer) should be fully observed!

APPLICATION AND MAINTENANCE:

- TOPAN® MDF is only suitable for use indoors.
- Do not expose TOPAN® MDF directly to sprayed water, e.g. in the shower.
- Untreated (raw) MDF should only be cleaned using a dry cloth.
- Treated (varnished) MDF can be cleaned using a lightly moistened cloth.
- Do not use scouring powder or scouring milk.

DISPOSAL:

- TOPAN® MDF is free from halogens or halogen-organic compounds. Our wood composite products do not contain preservatives such as pcp, organochlorine biocides, pyrethroids or dioxins.
- Scrap TOPAN® MDF panels can be thermally recycled in Germany under the provisions of Articles 1 and 4 of BImSchV (Federal German Emissions Act), as this is classified as a "regular fuel" under Section 3, Sub-Section 1, No. 7 of the Technical Instructions on Air Quality.
- TOPAN® MDF can be disposed of on municipal domestic rubbish tips in accordance with local statutory regulations.

Your company stamp



Glunz AG
Grecostraße 1
D 49716 Meppen
Phone +49(0)5931.40 50
Fax +49(0)5931.40 53 59
E-Mail: info@glunz.de

www.sonae.glunz.de

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