

# Technical Data Sheet

## pure.direct.gloss



### Material

Substrate: MDF 2800x1250x16 mm, back side white coated with acrylic lacquer  
 Surface: HotCoating system, surface protection transparent PE film

Product properties	Norm	Value
Gloss level	DIN 67530	> 90 GU (60°)
Micro-scratch resistance	IHD-W-466	Class 2, Method A
Scratch resistance	IHD-W-462 / 14323 / 438-2	> 0.6 N, Method B
Abrasion resistance	DIN 68 861 T2	> 350 turns
Chemical resistance	DIN 68 861 T1 / IHD-W-460 / ISO-MAT 0066 / FIRA 6250	fulfilled
Adhesion strength	DIN EN ISO 2409 / IHD-W-464	GT 2
Tape resistance	IHD-W-463	0 / (16h;7d and 21d)
Light exposure	DIN EN 438-2	Level 5
Dark yellowing	Internal test 067	Passed
Porosity	Internal test 009	Passed
Steam	DIN 68 861, Teil 8 / DIN EN 12721	8 B, 70 °C
Dry heat	DIN 68 861, Teil 7 / DIN EN 12722	7 D, 70 °C
Shock resistance	EN 438-2	15 N
Cracking /dry heat	EN 14323	Level 5
Moisture and climate resistance	Test module 4 „Resistance to Changing Climate“	Passed
Cold - Check - Test	Cold - Check - Test (1h +50 °C / 1h -18 °C / 1h 20 °C)	Passed (26 cycles)
Surface defects (points)	EN 14323	2 mm <sup>2</sup> per 1 m <sup>2</sup>
Surface defects (length)	EN 14323	20 mm/m

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**dekorapur** GmbH  
 Spielburg 11  
 30890 Barsinghausen  
 Germany  
 Tel.: +49 5035 978969-0  
 Fax: +49 5035 978969-90  
 info@dekorapur.com  
 www.dekorapur.com

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### Surface defects (length):

Fibers, hairs, scratches, etc. The permissible size of the defect is determined by the ratio 20mm per 1m of surface and is therefore proportional to the measurements of the surface being assessed. The total number of permissible defects can be concentrated on one spot or distributed across an unlimited number of smaller defects.

**Example:** Permissible defect size is 20mm per 1m

The permissible absolute defect size is calculated as follows:

$$\frac{\text{panel length} \times \text{panel width}}{1.000.000} \times \text{defect size}$$

### Surface defects (points):

Dents, raised spots, sunken spots, imprints, ridges, etc. The permissible size of the defect is determined by the ratio 2mm<sup>2</sup> per 1m<sup>2</sup> of surface and is therefore proportional to the measurements of surface being assessed. The total number of permissible defects can be concentrated on one spot or distributed across an unlimited number of smaller defects.

**Example:** Permissible defect size is 2mm<sup>2</sup> per 1m<sup>2</sup>

The permissible absolute defect size is calculated as follows:

$$\frac{\text{panel length} \times \text{panel width}}{1.000.000} \times \text{defect size}$$

### Defect Evaluation Criteria:

The evaluation of the above mentioned topics are conducted under lighting similar to daylight (5000 Kelvin) and a viewing distance of at least 700mm. Using this test method, defects which are not visible will be accepted!

## Maintenance and Cleaning Instructions

The pure.direct.gloss surface is protected with a PE protective film (transparent film). After removal of the PE protective film, the surface is ready for daily use. Additional polishing is not necessary. A mild soap solution is sufficient for cleaning.

**Important:** The use of abrasive cleaning and scouring agents can result in damage. Do not use cleaning agents which contain alcohol, are abrasive or corrosive!

In addition, we offer König high gloss furniture polish no. 503 500. Field of application: For cleaning and refreshing high gloss surfaces. Suitable for all lacquered surfaces. Can also be used on plastics and metal. **Shake before use and test on an inconspicuous spot.** Apply high gloss furniture polish on a soft, lint-free cloth and use light pressure to apply a small amount on the surface. After a short drying time, polish out the surface using a dry cloth in a circular motion. Follow the user manual.

### PE Protective Film:

The protective film is suitable for protecting sensitive surfaces against mechanical damage and contamination during transport, processing, storage and assembly. **The film is UV and weather resistance for up to 3 months after lamination.** The film doesn't contain plasticizers or hard metals and can be fully recycled.



dekoraPUR GmbH  
Spielburg 11  
30890 Barsinghausen  
Germany  
Tel.: +49 5035 978969-0  
Fax: +49 5035 978969-90  
info@dekorapur.com  
www.dekorapur.com