

## PRODUCT INFORMATION

### Writability of Duropal HPL / Duropal HPL Magnet



Duropal HPL is extremely suitable for writing on with whiteboard markers and chalk. This requires an undamaged surface and subsequent cleaning with little effort.

The lettering sets individual accents, current topics are “placed on the wall”.

Duropal HPL can also be made to be magnetic (Duropal HPL Magnet / Duropal flat-bonded element Magnet P2) and can be used for large areas – room high. Available in the DST system and thus perfectly combinable with other supplementary products.

## PRODUCT FEATURES

### Optics / haptics

- Optics and haptics are determined by the selected decor-structure combination

### Areas of application

- Appropriate for vertical and horizontal applications, for surface and edge
- Interior fitting - wall covering, doors, partition elements
- Furniture making / shopfitting – kitchen, offices, conference rooms
- Projects - exhibition, shipbuilding, hotels

### Robustness / durability

- High quality and robust HPL surface
- Ideal for areas with high stress
- Duropal HPL / Duropal HPL Magnet properties (abrasion, impact and scratch resistance) fully comply with EN 438:2016 for vertical and horizontal application – depending on the structure

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**Decorative variety**

- Combinable with nearly all HPL-decors of the Pfleiderer Design-collection – Our recommendation is the use of plain decors

**Cleaning properties**

- Hygienic, easy-care, safety for foodstuffs
- Resistant to domestic cleaning agents
- Resistant to chemicals and solvents, disinfectants
- Cleaning with microfibre cloths – both dry and moist – possible
- Cleaning products containing paraffin, grease and/or silicone must not be used

**Basic cleaning / intensive cleaning**

- Detailed information regarding cleaning is provided in our cleaning recommendation “HPL & melamine faced boards”

**Disposal and recycling – Duropal HPL**

- Duropal HPL consists of paper, thermohardening resins and temperature resistant thermoplastics. At the end of a life cycle it may be used for municipal waste incinerators or for energy.

**Disposal and recycling – Duropal HPL Magnet**

- Material or energy recovery in plants approved for this purpose according to the German Federal Immission Control Law is advisable.
- Due to their large organic fraction, the waste may not be taken to a landfill site.
- For details of the legal principles for disposal of the material, please refer to the German regulations on the requirements for the recovery and removal of waste wood (“Verordnung über Anforderungen an die Verwertung und Beseitigung von Altholz, AltholzV – Altholzverordnung”).

**Postforming features – Duropal HPL**

- Postforming with a radius of at least 10 x thickness
- Trials of your own are recommended to adjust your production equipment

**Postforming features – Duropal HPL Magnet**

- Postforming not possible

**PRODUCT SPECIFICATION – WRITABILITY WITH CHALK**

**Texture recommendation**

- XM / MP / SM / MS / VV – very suitable, high adhesive power & low cleaning effort

**Cleaning properties**

Duropal HPL can be written on with chalk and cleaned using a dry sponge / cloth. However, the cleaning effort depends on the texture. To this end, tests are performed with regard to writability and cleaning on the recommended textures.

Our recommendation:

Structure	Chalk			
	Adhesive power	Writability	Cleaning	
			dry	damp
XM	😊	😊	😊	😊
SM	😊	😊	😊	😊
MP	😊	😊	😊	😊
VV	😊	😊	😊	😊
ML	😊	😊	😞	😊

We basically recommend that customers perform their own writability and cleanability tests. The chalk colour is to be chosen depending on the plain decor selection.

Further information on our products can be found on the internet ([www.pfleiderer.com](http://www.pfleiderer.com)) and in the overall Pfleiderer product range.

**PRODUCT SPECIFICATION – WRITABILITY WITH WHITEBOARD MARKERS****Texture recommendation**

- HG / MS / VV – very suitable, high adhesive power & low cleaning effort
- SM / MS – suitable, high adhesive power, however, cleaning effort somewhat greater

**Cleaning properties**

- With glossy surface – low cleaning effort, as cleaning with a dry cloth can suffice
- With matt surfaces – higher cleaning effort, as a damp cloth and possibly a suitable cleaner are required

**Cleaning recommendations**

- Basic cleaning:  
Cleaning is done using a dry cloth; with slow circular movements over the whiteboard.
- Intensive cleaning:  
To do this, a damp cloth and possibly a non-greasy cleaner are used. Here also, you should use slow, circular movements.

**Whiteboard markers**

Whiteboard markers are pens for use on rewritable surfaces. They are filled with washable ink, which is resolvable after use. The markers are available in different colours and with different tips and thicknesses.

**Whiteboard marker criteria**

- Blocked tip – cannot be pressed into the marker
- Low-odour ink
- Fast-drying ink – no smudging of the ink
- Refillability of the marker – less environmental impact, cost-effective
- Protection against drying out

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### Whiteboard sponges

Specific sponges are recommended for cleaning a whiteboard:

- Cleaning sponge made of felt – wet & dry cleaning
- Cleaning sponge with blotting paper – dry cleaning
- Cleaning sponge with microfibre cloth – dry cleaning
- Electrical cleaning sponge with rotating rollers – dry cleaning

### Writability & cleaning tests

Procedure:

Duropol HPL with suitable textures was written on using whiteboard markers available on the market and then cleaned. The aim of the task is to produce practical instructions for use, and which textures can be recommended as writable surfaces for different markers.

Criteria: Writability & adhesive power

☺ = good

☹ = okay

☹ = poor

Criteria: Cleaning

☺ = completely cleaned with little effort

☹ = remaining residues, even with large effort

☹ = not removable, even with large effort

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\* Use of the cleaning sponge (possibly from manufacturer)

\*<sup>2</sup> Cleaning using dry cloth

\*<sup>3</sup> Cleaning using damp cloth

<sup>2</sup> Pretreatment with ethanol or glass cleaner (here: Sidolin glass cleaner)

Whiteboard-Marker		Corporate Express	edding 250	edding 360	FORAY®	Kores	Schneider 129094 Maxx 290	SODIAL®	Staedtler Lumocolor non-permanent	Staedtler 351 B WP6 Lumocolor								
	Criteria	Structure																
Writability	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	VV	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺								
Adhesive power	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	VV	☺	☺	☺	☺	☺	☺	☺	☺	☺								
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺								
Cleaning	dry*	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	
		HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	dry*2	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	damp*3	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
MP		☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
Cleaning (with pretreatment) <sup>2</sup>	dry*	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	2 min	2 h	
		HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	dry*2	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	damp*3	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
MP		☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	

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## PM HPL/elements

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