

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 unblemished surface and subsequent cleaning with little effort.

The lettering allows for personalisation, 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 height. 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 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 microfiber 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

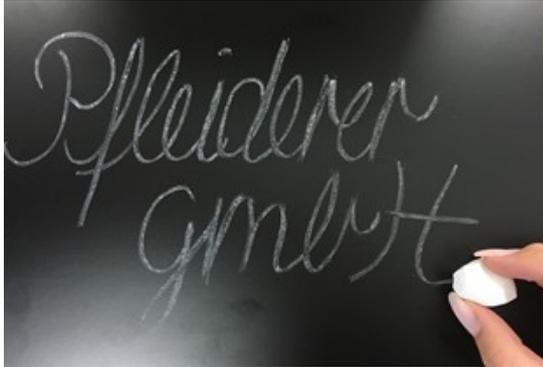
- Duropal HPL consists of paper, thermohardening resins and temperature resistant thermoplastics. At the end of a life cycle it may be disposed of in municipal waste incinerators.

Postforming features – Duropal HPL

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

Postforming features – Duropal HPL Magnet

- Postforming not possible

PRODUCT SPECIFICATION – WRITABILITY WITH CHALK

Struktur-Empfehlung

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

Cleaning properties

Duropal HPL can be written on with chalk and cleaned using a dry sponge or microfiber cloths. 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 recommendations:

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

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) and in the overall Pfleiderer product range.

PRODUCT SPECIFICATION – WRITABILITY WITH CHALK MARKERS

Texture recommendation

- HG / SM / VV / XM – very suitable, high adhesive power & low cleaning effort
- ML / MP / XP – suitable, high adhesive power, however, cleaning effort somewhat greater

Cleaning properties

Duropol HPL can be written on with chalk markers. Depending on the pen, it may be cleaned with a dry or damp cloth. However, the cleaning effort depends on the texture.

Chalk markers

Chalk markers are pens for use on smooth, closed 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.

Writability & cleaning tests

Procedure:

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

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

Criteria	Structure	Chalk marker							
		edding 4090		sigel Glasboard-Marker		SuperChalks Liquid Chalk Marker			
Drying time		4 min.		30 sec.		2 min.			
Opacity	independently	😊		😐		😊			
Writability	HG	😊		😊		😊			
	ML	😊		😊		😊			
	MP	😊		😐		😊			
	SM	😊		😊		😊			
	VV	😊		😊		😊			
	XM	😊		😊		😊			
	XP	😊		😊		😊			
Adhesive power	HG	😞		😞		😐			
	ML	😐		😊		😊			
	MP	😐		😊		😊			
	SM	😐		😞		😊			
	VV	😐		😐		😊			
	XM	😐		😊		😊			
	XP	😐		😊		😊			
cleaning	dry	4 min	2 h	4 min	2 h	4 min	2 h		
		HG	😊	😊	😊	😊	😐	😐	
		ML	😊	😊	😞	😞	😞	😞	
		MP	😞	😐	😞	😞	😞	😞	
		SM	😐	😐	😐	😐	😞	😞	
		VV	😊	😊	😊	😐	😞	😞	
		XP	😐	😐	😞	😞	😞	😞	
	damp	HG	😊	😊	😊	😊	😊	😊	
		ML	😊	😊	😊	😊	😊	😊	
		MP	😊	😊	😊	😊	😊	😊	
		SM	😊	😊	😊	😊	😊	😊	
		VV	😊	😊	😊	😊	😊	😊	
		XM	😊	😊	😊	😊	😊	😊	
		XP	😐*	😐*	😊	😊	😐*	😐*	

*cleaning with commercial all-purpose cleaner possible

PRODUCT SPECIFICATION – WRITABILITY WITH WHITEBOARD MARKERS

Structure recommendation

We generally recommend marking the Duropal HPL structures HG/HS, SM/MS, MP and VV with the mentioned whiteboard markers. Further Duropal HPL structures are not subject to this recommendation.

cleaning properties

The Duropal HPL Structure High Gloss (HG) can be cleaned dry or wet when inscribed with the recommended whiteboard markers. The HPL structures SM/MS, MP and VV are to be cleaned with a damp dirt eraser (Profissimo / dm) and low contact pressure.



Cleaning recommendations

- Basic cleaning before first use:
Clean with a damp microfibre cloth. The surface is to be cleaned in slow and circular movements.
- Intensive cleaning:
To do this, a damp cloth and possibly a non-greasy cleaner (recommendation: Mellerud Küchen-Entfetter) 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. The markers are available in different colours and with different tips and thicknesses.

Writability & cleaning tests

Procedure:

Duropal 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 which textures can be recommended as writable.

Criteria:

- Writability
- adhesive power
- Cleaning – dry or moist, with pre-treatment or with dirt eraser

Rating – Writability & adhesive power

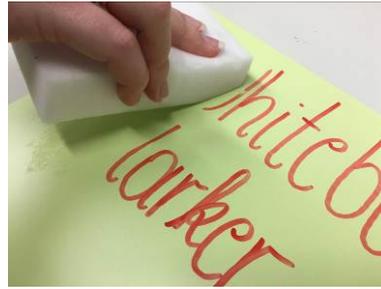
- 😊 = good

Rating – Cleaning

- ☺ = completely cleaned with little effort
- ☹ = remaining residues, even with large effort
- - = no recommendation



Duropal structure HG –
Cleaning with dry microfiber cloths



Duropal structures MP / SM / VV –
Cleaning with moist dirt eraser

		Whiteboard-Marker								
Criteria	Structure	Corporate Express Whiteboard Marker, Black (Code: 862 01 84)	edding 360 Whiteboard Marker (Art. 4-360001)	FORAY® Whiteboard Marker	Kores KMARKER Whiteboard XW1 (Art.-No. 20837)	Schneider Maxx 290 (Ref. No. 129094)	SODIAL® Whiteboard No. 6817	Staedtler Lumocolor Whiteboard Marker (Art. No. 351 B-3)	CLASSIC Whiteboard Marker (Art. No. 8620036)	Neuland No One Boardmarker (Art. No. 8037.1100)
Writability	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺
	VV	☺	☺	☺	☺	☺	☺	☺	☺	☺
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺
Adhesive power	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SM / MS	☺	☺	☺	☺	☺	☺	☺	☺	☺
	VV	☺	☺	☺	☺	☺	☺	☺	☺	☺
	MP	☺	☺	☺	☺	☺	☺	☺	☺	☺

		Whiteboard-Marker																		
Criteria	Structure	Corporate Express Whiteboard Marker, Black (Code: 862 01 84)		edding 360 Whiteboard Marker (Art. 4-360001)		FORAY® Whiteboard Marker		Kores KMARKER Whiteboard XW1 (Art.-No. 20837)		Schneider Maxx 290 (Ref. No. 129094)		SODIAL® Whiteboard No. 6817		Staedtler Lumocolor Whiteboard Marker (Art. No. 351 B-3)		CLASSIC Whiteboard Marker (Art. No. 8620036)		Neuland No One Boardmarker (Art. No. 8037.1100)		
		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	2 min	2 h	
Cleaning	dry*	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	dry* ²	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	damp* ³	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cleaning (with pre-treatment) ²	dry*	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	dry* ²	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	damp* ³	HG / HS	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		SM / MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cleaning with dirt eraser (Profissimo / dm)	damp* ⁴	HG / HS	not necessary																	
		SM / MS	☹	☹	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		VV	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
		MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	

- * Cleaning with Dahle Whiteboard sponge (95097-02505)
- *² Cleaning with dry microfiber cloths
- *³ Cleaning with damp microfiber cloths and Sidolin glass cleaner
- *⁴ Cleaning with water-moistened dirt eraser Profissimo from dm; only low pressure required
- ² Pretreatment with glass cleaner (here: Sidolin glass cleaner)

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Further information on our products can be found on the internet (www.pfleiderer.com), in the overall Pfleiderer product range and in our product information / recommendations for use of Duropal HPL Magnet / Duropal HPL Flat bonded element Magnet.

PM HPL/elements

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