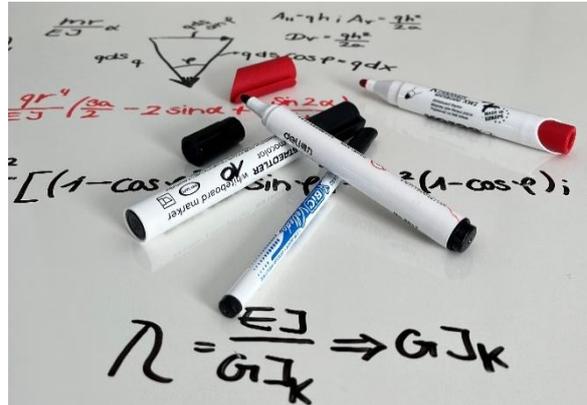


PRODUCT INFORMATION

Writability of Duropal High Pressure Laminate, DecoBoard and PrimeBoard XTreme



Lettering offers opportunities to set individual accents or to bring current themes "to the wall". The Pfleiderer products Duropal high-pressure laminate, DecoBoard and PrimeBoard XTreme are ideal for this purpose, as they are easy to clean and resistant to common household cleaners.

In various decors and structures, the products are suitable for writing with chalk, liquid chalk or whiteboard markers and thus offer a wide range of possible uses.

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WRITABILITY WITH CHALK



Chalk is available in various colours and designs. Chalk is particularly well known for its use in schools, but it also offers opportunities to communicate current information, e.g. restaurant offers, in a striking way.

Test procedure for writability and cleaning

White and coloured chalk is applied with low pressure on differently structured surfaces with dark uni decor (U12000). The chalk application is evaluated in terms of opacity, writability and adhesion. Cleaning is carried out after 4 minutes, 2 hours, 48 hours and 120 hours using a dry and a damp microfibre cloth. The evaluation of the criteria and the results are listed in the following table.

Criteria

- Opacity: the ability of a colour to cover the existing substrate
- Describability: the effort with which a surface can be labelled
- Adhesion: describes how well the chalk adheres to the surface and how evenly the paint is applied

 = very well
 = alright

- Cleaning: A simple, residue-free removal of the typeface is crucial for good cleaning. removal of the typeface

 = wipe & away (max. 3 wiping movements, minimum effort)
 = Residue-free cleaning (approx. 5 wiping movements, little effort)

May 22

Product	Criteria	Texture	white				colourful				
Duropal High-pressure laminates (HPL); Compact sheets; HPL-Elements & DecoBoard	Opacity	independent of texture	very well				very well, but not colour intensive				
	Describability	MP	☺				☹				
		SD	☺				☺				
		VV	☹				☹				
	Adhesion	MP	☹				☹				
		SD	☺				☺				
		VV	☹				☹				
	Cleaning ^{*1}	dry		4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h
			MP	☺	☺	☺	☹	☺	☺	☺	☺
			SD	☹	☹	☹	☹	☺	☹	☹	☹
		VV	☺	☺	☺	☺	☺	☺	☺	☺	
		damp	MP	☺	☺	☺	☺	☺	☺	☺	☺
			SD	☺	☺	☺	☺	☺	☺	☺	☺
VV	☺		☺	☺	☺	☺	☺	☺	☺		

Test decor: U12000

*1 Cleaning with a microfibre cloth from AmazonBasics (wash with cold water before first use).

The products **Duropal HPL** and **DecoBoard** in the **structures MP, SD** and **VV** are recommended for labelling with chalk. Suitable decors are **dark uni decors**, whereby the colour of the chalk should be chosen depending on the decor selection. The surfaces can be cleaned with a **dry** or **damp microfibre cloth**.

Notes

- We recommend a test on an inconspicuous spot before first use
- A prerequisite for writing with chalk is an undamaged surface
- The abundance of different writing materials, surface structures and use cases prevents more comprehensive tests
- Residue-free cleaning cannot be guaranteed, as this may be influenced by the quality, age and storage of the chalk used

WRITABILITY WITH LIQUID CHALK


Liquid chalk markers are used on smooth, closed surfaces. They are filled with washable paint. The markers are available in different colours, with different tips and thicknesses.

Test procedure for writability and cleaning

Liquid chalk markers from different manufacturers available on the market are applied to various structured surfaces with a dark uni design (U12000). The liquid chalk application is evaluated in terms of opacity, writeability and adhesion. Cleaning is carried out after 4 minutes, 2 hours, 48 hours and 120 hours using a damp microfibre cloth. The evaluation of the criteria and the results are listed in the following table.

Criteria

- Opacity: the ability of a colour to cover the existing substrate
- Describability: the effort with which a surface can be labelled
- Adhesion: Describes how well the liquid chalk application adheres to the surface and how evenly the paint is applied

 = very well
 = alright

- Cleaning: A simple, residue-free removal of the typeface is crucial for good cleaning. removal of the typeface

 = wipe & away (max. 3 wiping movements, minimum effort)
 = Residue-free cleaning (approx. 5 wiping movements, little effort)

May 22

Product	Criteria	Texture	sigel Kreidemarker 150, Non-permanent				SuperChalks - Liquid Chalk Marker				
Independent of product	Drying time ^{*1}	independent of texture	4 min				2 min				
	Opacity		alright				very well				
Duropal Duropal High-pressure laminates (HPL); Compact sheets; HPL-Elements & DecoBoard	Describability	HG	☹️				☺️				
		MP	☹️				☺️				
		SD	☺️				☺️				
	Adhesion	HG	☹️				☹️				
		MP	☹️				☺️				
		SD	☹️				☺️				
	Cleaning damp ^{*2}			4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h
		HG	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️
		MP	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️
SD		☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️	
PrimeBoard XTreme	Describability	XG	☹️				☺️				
			☹️				☹️				
			4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	
	Cleaning damp ^{*2}	XG	☺️	☺️	☺️	☺️	☺️	☺️	☺️	☺️	

Test decor: U12000

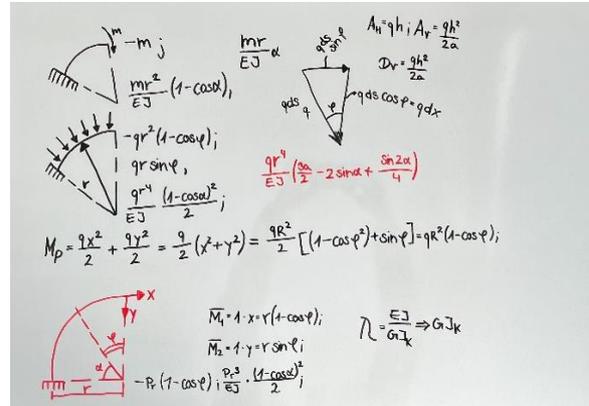
*¹ depending on the marker, determined by the user*² Cleaning with a microfibre cloth from AmazonBasics (wash with cold water before first use)

HPL and DecoBoard structures HG, MP and SD as well as **PrimeBoard structure XG** are to be used for labelling with liquid chalk. Suitable decors are **dark plain decors**, whereby the colour of the liquid chalk is to be chosen depending on the decor selection. A **damp microfibre cloth** should be used to clean the surfaces.

Notes

- We recommend a test on an inconspicuous spot before first use
- A prerequisite for writing with liquid chalk is an undamaged surface
- Only dry liquid chalk is suitable for wiping off!
- Always store markers horizontally and shake well before use. Follow the manufacturer's instructions
- The abundance of different writing materials, surface structures and use cases prevents more comprehensive tests
- Residue-free cleaning cannot be guaranteed, as this may be influenced by the quality, age and storage of the liquid chalk used
- Intensive cleaning is recommended from time to time. Information can be found in the "Cleaning recommendations for Duropal HPL and DecoBoard" and in the "Cleaning and maintenance recommendations" for PrimeBoard XTreme.

WRITABILITY WITH WHITEBOARD-MARKER



Whiteboard markers are used on rewritable surfaces. They are filled with non-permanent ink. The markers are available in different colours, with different tips and thicknesses.

Test procedure for writability and cleaning

Whiteboard markers from different manufacturers available on the market are applied to differently structured surfaces with a light-coloured uni design (W10140). The ink application is assessed in terms of writability and adhesion. Cleaning is carried out after 4 minutes, 2 hours, 48 hours and 120 hours using different cleaning methods. The evaluation of the criteria and the results are listed in the table below.

Criteria

- Describability: the effort with which a surface can be labelled
- Adhesion: Describes how well the paint adheres to the surface and how evenly the paint is applied.

😊	= very well
😐	= alright

- Cleaning: A simple, residue-free removal of the typeface is crucial for good cleaning. removal of the typeface

😊	= wipe & away (max. 3 wiping movements, minimum effort)
😐	= Residue-free cleaning (approx. 5 wiping movements, little effort)
-	= no recommendation
n.n.	= not necessary

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Products	Criteria	Texture	BIC Velleda WHITEBOARD MARKER – Black (Art. No. 3086123154506)				deli WHITEBOARD MARKER No. 6817 – Black				edding® 360 Whiteboard Marker – Black (Art. 4-360001)				KORES® KMARKER WHITEBOARD XW1 – Red (Art. No. 20837)				Schneider Maxx 290 Whiteboard + Flipchart marker – Black (Ref. No. 129094)				STAEDTLER® Lumocolor® whiteboard marker – Black (Art. No. 351 B-3)				
			4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	
Duropal High-pressure laminates (HPL); Compact sheets; HPL-Elements & DecoBoard	Describability	HG	☺				☺				☺				☺				☺				☺				
		MP	☺				☺				☺				☺				☺				☺				
		SD	☺				☺				☺				☺				☺				☺				
		VV	☺				☺				☺				☺				☺				☺				
	Adhesion	HG	☺				☹				☺				☺				☺				☺				
		MP	☺				☺				☹				☺				☺				☺				
		SD	☺				☺				☺				☺				☺				☺				
		VV	☺				☺				☺				☺				☺				☺				
	Cleaning	dry – Microfibre cloth ¹	HG	☺	☺	☺	☺	☺	☺			☺	☺	☺		☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
			MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			VV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		damp – glass cleaner ²	HG	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.							
			MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			VV	-	-	-	-	-	-	-	-	-	-	-	-	☺	☺	☺	☹	-	-	-	-	☺	☺	☹	☹
		damp – cleaner STAEDTLER ³	HG	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.							
			MP	-	-	-	-	-	-	-	-	-	-	-	-	☺	☺	☺	☺	-	-	-	-	-	-	-	-
			SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			VV	☹	☹	☹	☹	☺	☺	☺	☹	☺	☺	☺	☹	-	-	-	-	☺	☺	☹	☹	☺	☺	☹	☹
		damp – cleaner KORES ⁴	HG	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.							
			MP	☺	☺	☹	☹	-	-	-	-	-	-	-	-	☹	☺	☺	☺	-	-	-	-	-	-	-	-
			SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			VV	☹	☺	☺	☹	☺	☺	☹	☹	☺	☺	☺	☹	☺	☺	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹
damp – cleaner amazon basics ⁵		HG	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.								
		MP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		VV	☺	☺	☹	☹	☺	☺	☹	☹	☹	☹	☹	☹	☺	☺	☹	☹	-	-	-	-	☺	☺	☹	☹	
damp – Dirt eraser ⁶		HG	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.								
		MP	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☹	☹	☹	☹	☹	☹	☹	☹	
		SD	-	-	-	-	-	-	-	-	☹	☹	☹	☹	☺	☹	☹	☹	☹	☹	☹	☹	-	-	-	-	
		VV	☹	☹	☹	☹	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☹	☺	☹	☹	☹	☹	

Product	Criteria	Texture	BIC Velleda WHITEBOARD MARKER – Black (Art. No. 3086123154506)				deli WHITEBOARD MARKER No. 6817 – Black				edding® 360 Whiteboard Marker – Black (Art. 4-360001)				KORES® KMARKER WHITEBOARD XW1 – Red (Art. No. 20837)				Schneider Maxx 290 Whiteboard + Flipchart marker – Black (Ref. No. 129094)				STAEDTLER® Lumocolor® whiteboard marker – Black (Art. No. 351 B-3)								
PrimeBoard XTreme	Describability	XG	☺				☺				☺				☺				☺				☺								
	Adhesion		☺				☹				☺				☹				☺				☺								
	Cleaning	XG	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	4 min	2 h	48 h	120 h	
			dry – Microfibre cloth ^{*1}	☺	☺	☺	☺	☺	☺	☺	☹	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
			damp – glass cleaner ^{*2}																												
			damp – cleaner STAEDTLER ^{*3}																												
			damp – cleaner KORES ^{*4}	☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.				☺ n.n.							
damp – cleaner amazon basics ^{*5}																															
damp – Dirt eraser ^{*6}																															

Test decor: W10140

*1 Cleaning dry: AmazonBasics microfibre cloth (wash with cold water before first use)

*2 Damp cleaning: Sidolin glass cleaner in combination with AmazonBasics microfibre cloth (apply cleaner to cloth, clean surface with cloth)

*3 Damp cleaning: STAEDTLER® Lumocolor® whiteboard in conjunction with AmazonBasics microfibre cloth (apply cleaner to cloth, clean surface with cloth)

*4 Damp cleaning: KORES® Whiteboard Cleaner in combination with AmazonBasics microfibre cloth (apply cleaner to cloth, clean surface with cloth)

*5 Damp cleaning: AmazonBasics WHITEBOARD & DRY ERASE BOARD LIQUID CLEANER in conjunction with AmazonBasics microfibre cloth (apply cleaner to cloth, clean surface with cloth)

*6 Damp cleaning: dm Profissimo Dirt Eraser (moistened, cleaning with low pressure)

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For labelling with whiteboard markers, use **Duropal HPL** and **DecoBoard** in the **structures HG, MP, SD** and **VV**, as well as **PrimeBoard** in **XG**.

Following decors are suitable:

- W10100
- W10140
- W10410
- U11026
- U11027
- U11102

The effort and method of cleaning required vary depending on the whiteboard marker and the structure. Basically, the **HPL structure HG** and the **PrimeBoard structure XG** should be cleaned with a **dry microfibre cloth**; the use of other cleaning agents is not necessary.

The **HPL structures MP** and **SD** are to be cleaned with a **damp dirt eraser**. **VV** can be **cleaned with all methods** apart from a dry microfibre cloth. Details on specific cleaning depending on the pencil and structure can be found in the table above.

Notes

- We recommend a test on an inconspicuous spot before first use
- A prerequisite for writing with whiteboard markers is an undamaged surface
- Only dry paint is suitable for wiping off!
- Always store markers horizontally and shake well before use. Follow the manufacturer's instructions
- The abundance of different writing materials, surface structures and use cases prevents more comprehensive tests
- Residue-free cleaning cannot be guaranteed, as this may be influenced by the quality, age and storage of the whiteboard markers used
- Intensive cleaning is recommended from time to time. Information can be found in the "Cleaning recommendations for Duropal HPL and DecoBoard" and in the "Cleaning and maintenance recommendations" for PrimeBoard XTreme.

PM HPL/elements

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