

PRODUCT INFORMATION

Duropal Element XTreme / XTreme Touch / XTreme plus with asymmetrical construction

To avoid flatness deviations with Duropal Elements, Pfleiderer always recommends a symmetrical element construction!

Different, connected materials can cause stresses (= distortion) in fluctuating ambient conditions. To reduce distortion Duropal high pressure laminates with the same properties (running or sanding direction, protection foil, decor-structure-combination) must be used on the front and reverse of the element. This is particularly necessary if Duropal Elements are used as a self-supporting element. The larger the element used, the more critical the factor of symmetrical construction!

If defined conditioning and storage conditions are taken into account Duropal Elements with Duropal XTreme, Duropal XTreme Touch or Duropal HPL XTreme plus can also be used with an asymmetrical structure. The required product constructions as well as the required conditioning and storage conditions are defined in the following.

Duropal XTreme / Duropal XTreme Touch				
Front side	Texture	XMSM (XTreme Semi Matt) XMRT (XTreme Rustic Wood) XMVO (XTreme Volcano)	XMSM (XTreme Semi Matt) XMRT (XTreme Rustic Wood) XMVO (XTreme Volcano)	XMSM (XTreme Semi Matt) XMRT (XTreme Rustic Wood) XMVO (XTreme Volcano)
	HPL Thickness	0.8 mm	0.8 mm	0.8 mm
	Protection foil	Foil with direction arrows	Foil with direction arrows	Foil with direction arrows
Reverse side	Decor-Texture-Combination	Duropal HPL (Conti structure; ≠ XPSM), decor-identical to the front or W10220 VV	Duropal HPL (Conti structure; ≠ XPSM), decor-identical to the front or W10220 VV	Duropal HPL (Conti structure; ≠ XPSM), decor-identical to the front or W10220 VV
	HPL Thickness	0.8 mm	1.2 mm	1.2 mm
	Protection foil	ML / MS / NW / SD / SM – Foil with direction arrows FG / MP / TC / VV – Foil without labeling	no foil	no foil
Core	Quality	P2 TSCA P3 MDF plus	P2 TSCA	P2 TSCA
	Thickness	≥ 16 mm	≥ 17.4 mm	≥ 14.4 - < 17.4 mm
	Formats	2,650 x 1,300 x 19 mm (P2) 3,050 x 1,300 x 19 mm (P2) 4,100 x 1,300 mm others on request via SPR	2,650 x 1,300 x 19 mm 3,050 x 1,300 x 19 mm 4,100 x 1,300 mm others on request via SPR	4,100 x 1,300 mm others on request via SPR
Flatness deviation		≤ 2 mm/meter according to ISO 13894-2	≤ 2 mm/meter according to ISO 13894-2	≤ 4 mm/meter according to ISO 13894-2

Duropal HPL XTreme plus				
Front side	Texture	XPSM (XTreme plus)	XPSM (XTreme plus)	XPSM (XTreme plus)
	HPL Thickness	0.8 mm	0.8 mm	0.8 mm
	Protection foil	Foil with direction arrows	Foil with direction arrows	Foil with direction arrows
Reverse side	Decor-Texture-Combination	Duropal HPL (Conti structure; ≠ XMSM / XMRT / XMVO), decor-identical to the front or W10220 VV	Duropal HPL (Conti structure; ≠ XMSM / XMRT / XMVO), decor-identical to the front or W10220 VV	Duropal HPL (Conti structure; ≠ XMSM / XMRT / XMVO), decor-identical to the front or W10220 VV
	HPL Thickness	0.8 mm	0.8 mm	1.2 mm
	Protection foil	ML / MS / NW / SD / SM – Foil with direction arrows FG / MP / TC / VV – Foil without labeling	ML / MS / NW / SD / SM – Foil with direction arrows FG / MP / TC / VV – Foil without labeling	no foil
Core	Quality	P2 TSCA	MDF plus	P2 TSCA
	Thickness	≥ 17.4 mm	≥ 16 mm	≥ 14.4 mm
	Formats	2,650 x 1,300 x 19 mm 3,050 x 1,300 x 19 mm 4,100 x 1,300 mm others on request via SPR	4,100 x 1,300 mm others on request via SPR	2,650 x 1,300 x 19 mm 3,050 x 1,300 x 19 mm 4,100 x 1,300 mm others on request via SPR
Flatness deviation		≤ 2 mm/meter according to ISO 13894-2	≤ 2 mm/meter according to ISO 13894-2	≤ 4 mm/meter according to ISO 13894-2

CONDITIONING AND STORAGE CONDITIONS

The following conditions must always be observed:

- Sufficient conditioning of the Duropal Elements is required before processing and assembly. The storage air conditioning is carried out according to the room climate of the later intended use.
- The panels are stored in closed storage rooms under room climate conditions with temperatures between 18–25 °C and a relative humidity of 50–65 %, protected from moisture, humidity and direct sunlight (see also: Service class 1, Eurocode 5 / DIN EN 1995-1-1).
- The stack of boards must be stored covered and with the edges flush. This storage condition must be maintained after each board is removed.
- We recommend that the selection of the element structure be made on the basis of the specific installation situation and use by means of suitable preliminary tests.
- All distortion properties are based on climatic conditions in Central Europe. Particularly for regions with humid climate (e.g. Asia) and / or container sea transport, special regulations are required.

PM HPL / Elements / Lacquered boards

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