

PRODUCT INFORMATION

Duropal Element XTreme / 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 HPL with the same properties (running or sanding direction, protection foil) 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 plus can also be used with an asymmetrical structure. The required product constructions as well as the required conditioning and storage conditions are defined within this product information.

Duropal XTreme (XM)

Duropal Element / Standard offer

Board quality /-thickness:	P2 E1 / CARB2, P3 E1, MDF Plus E1 / CARB2 / ≥ 16 mm
Element format:	2,650 / 3,050 / 4,100 x 1,300 mm
Element front side:	Duropal XTreme, 0.8 mm, protection foil
Element rear side:	Duropal HPL (e. g. W10220 VV); 0.8 mm, protection foil
Bonding:	UF-glue, PVAC, PUR
Flatness deviation:	≤ 2 mm/meter according ISO 13894-2

Duropal Element / Industry offer

Board quality /-thickness:	P2 E1 / CARB2 / ≥ 17.4 mm
Element format:	2,650 / 3,050 / 4,100 x 1,300 mm
Element front side:	Duropal XTreme, 0.8 mm, protection foil
Element rear side:	Duropal HPL with plain colours and paper grammage ≤ 80 g (e. g. W10220 VV); 1.2 mm, no protection foil
Bonding:	UF-glue, PVAC
Flatness deviation:	≤ 2 mm/meter according ISO 13894-2

Duropal Element / Industry offer by factory agreement

Board quality /-thickness:	P2 E1 / CARB2 / ≥ 14.4 - < 17.4 mm
Element format:	2,650 / 3,050 / 4,100 x 1,300 mm
Element front side:	Duropal XTreme, 0.8 mm, protection foil
Element rear side:	Duropal HPL with plain colours and paper grammage ≤ 80 g (e. g. W10220 VV); 1.2 mm, no protection foil
Bonding:	UF-glue, PVAC
Flatness deviation:	≤ 4 mm/metre according ISO 13894-2

Duropal XTreme plus (XP)

Duropal Element / Standard offer

Board quality /-thickness:	P2 E1 / CARB2 / ≥ 17.4 mm
Element format:	2,650 / 3,050 / 4,100 x 1,300 mm
Element front side:	Duropal XTreme plus, 0.8 mm, protection foil
Element rear side:	Duropal HPL with plain colours and paper grammage ≤ 80 g (e. g. W10220 VV); 0.8 mm, protection foil
Bonding:	UF-glue, PVAC, PUR
Flatness deviation:	≤ 2 mm/meter according ISO 13894-2

Duropal Element / Industry offer by factory agreement

Board quality /-thickness:	P2 E1 / CARB2 / ≥ 17.4 mm
Element format:	2,650 / 3,050 / 4,100 x 1,300 mm
Element front side:	Duropal XTreme plus, 0.8 mm, protection foil
Element rear side:	Duropal HPL with plain colours and paper grammage ≤ 80 g (e. g. W10220 VV); 1.2 mm, no protection foil
Bonding:	UF-glue, PVAC, PUR
Flatness deviation:	≤ 4 mm/meter according 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

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