

# T E S T C E R T I F I C A T E

**PT-21-02-25-20**

**Product:** Kaindl Decor Fiberboard MDF/CA  
Melamine faced boards for interior use under dry conditions  
acc. to DIN EN 14322:2017-07, thickness range: > 9 mm to 12 mm

**Client:** M. KAINDL OG, Kaindlstrasse 2, 5071 Wals/Salzburg, Austria

**Order:** Determination of mechanical, chemical and surface properties

**Basis:** Test Report No. 2118037-W-MDF/CA-09/12-2020 of 27 Jan 2021  
Test Report No. 2118037-W-P2/CA-MEL-2020-1 of 25 Febr 2021  
Test Report No. 2118037-W-MDF/CA-MEL-2020-1 of 25 Febr 2021  
Test Report No. 2117197/2020/04-MDF of 11 Dec 2020  
Test Report No. 2118037/2020/CT/5/1 of 13 Oct 2020

**Test Result:**

Characteristic	Requirement
Bending strength acc. to EN 310	≥ 22 N/mm <sup>2</sup>
Modulus of elasticity acc. to EN 310	≥ 2500 N/mm <sup>2</sup>
Internal bond strength acc. to EN 319	≥ 0,60 N/mm <sup>2</sup>
Thickness swelling acc. to EN 317	≤ 15 %
Surface soundness acc. to EN 311	≥ 0,80 N/mm <sup>2</sup>
HCHO emission acc. to EN 16516 (ChemVerbotsV)	≤ 0,1 ppm
HCHO emission acc. to ASTM D6007-14	≤ 0,11 ppm
PCP content acc. to CEN/TR 14823	≤ 3 ppm
Lindan content acc. to CEN/TR 14823	≤ 0,3 ppm
Migration of heavy metals acc. to EN 71-3	Category III
Resistance to scratching acc. to EN 14323	≥ 1,5 N
Resistance against staining acc. to EN 14323	≥ Rating 3
Resistance against crazing acc. to EN 14323	≥ Rating 3
Resistance to surface wear acc. to EN 14323	Class 4
Light fastness acc. to EN 14323 (blue scale level)	≥ 6

Based on a contractually specified inspection of the production and on laboratory tests, it can be stated that the tested fiberboards fulfill the requirements of Type MDF acc. to DIN EN 622-5 and the requirements of DIN EN 14322.

The formaldehyde emission is below the maximum permissible requirement acc. to the German Chemicals Prohibition Ordinance (ChemVerbotsV), valid from 1 Jan 2020.

The formaldehyde concentration acc. to ASTM D6007-14 is below the maximum permissible requirement of EPA/CARB/TSCA.

**Validity:** 31 Dec 2021

Dresden, 25 February 2021



Head of laboratory




Engineer in charge