CE

Declaration of Performance

According tot he regulation (EU) Nr. 305 of the European Parliaments and of the Council of 09. March 2011

DOP No.: DOP504

1. **Type:**

MDF

2. **Recipe no.:**

Rec. 504

3. **Intended use:**

General purpose boards for use in dry conditions

4. **Trade name**

EGGER MDF-ST E1 EPF-S CARB2

5. **Manufacturer:**

EGGER Holzwerkstoffe Brilon
GmbH & CO. KG
Im Kissen 19
59929 Brilon
Germany

6. **System of assessment and verification acc. to Annex V of regulation (EU) No 305/2011:**

System 4

7. **Construction product covered by :**

EN 13986

8. **Notified body oft he EU:**

0765
Wilhelm-Klauditz-Institut (WKI)
Bienroder Weg 54 e
38108 Braunschweig
Germany

performed the initial inspection oft the manufacturing plant and of the factory production control and the continuous surveillance, assessment and evaluation of factory production control acc. to EN 13986 System 4 and issued the certificate of conformity of the factory production control:

0765-CPD-109 Manufacturer: Brilon

9. Declared Performance:

	Unit	Board thickness					
Mechanical properties	[mm]	6 - 9	9 - 12	12 - 19	19 - 30	30 - 40	
Density	[kg/m³]	Plant specific					
Internal Bond strength EN 319	[N/mm²]	0,72	0,72	0,67	0,67	0,54	
Bending strength EN 310	[N/mm²]	40,0	35,0	31,0	26,0	22,0	
Modulus of elasticity EN 310	[N/mm²]	3.000	2.800	2.700	2.600	2.400	
Swelling in thickness 24h EN 317	[%]	15	13	10	8	7	
Surface soundness EN 311	[N/mm²]	1,0					
Screw withdrawal surface	[N]			1080	1080	1080	
Screw withdrawal edge	[N]			900	810	750	
Sand content	[%]	0,02					
Surface absorption	[mm]	210					
Moisture content *1 EN 322	[%]	4-8					
Formaldehyde content *2 EN 120	[mg/100g]	E1 EPF-S					
General Tolerances							
Length and width tolerance EN 324	[mm]	± 5,0					
Squareness EN 324	[mm/m]	≤ 2,0					
Edge straightness tolerance EN 324	[mm/m]	≤ 1,5					
Thickness tolerance EN 324 *(sanded boards)*	[mm]	± 0,30					
Standard sanding		K150					
Building physical properties							
Fire behaviour category							
Board thickness > 9 mm and density ≥ 600 kg/m³ in line with EN13986		D-s2, d0					
Board thickness < 9 mm in line with EN13986		E					
Water vapour diffusion resistance value EN13986		**µ moist**				**µ dry**	
Mean density 600 kg/m³		12				20	
Mean density 800 kg/m³		20				30	
Thermal conductivity EN 13986							
Mean density 600 kg/m³	[W/(m*K)]	0,10					
Mean density 800 kg/m³		0,14					
Sound absorption EN 13986							
Frequency range 250 Hz to 500 Hz 1000 Hz to 2000 Hz		 0,10 0,20					
Biological durability EN 13986							
EN 335-3		Hazard category 1 (no earth contact , dry 20o/65% relative humidity)					
Air sound insulation EN 13986		R =13 x lg(mA) + 14 (mA = board surface weight kg/m²)					
PCP content EN 13986	[ppm]	<5					

*1 On delivery

*2 Formaldehyde content - regulatory and voluntary regulation:
2:1 According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14th October, 1993 in connection with the publication of the BGA in the federal health sheet 10/91 (s. 487-489) about "testing method for particleboard", uncoated MDF board must not exceed a perforator limit value (photometrical) of 8 mg HCHO/100g over-dry board at moisture content of 6,5 %. The flexible half-years mean value is max. 7 mg HCHO/100g over-dry board.
2:2 According to the California Air Resources Board (CARB) regulation CCR-17-93120.2(a) complies with Phase 1 and Phase 2.
2:3 According to the IKEA formaldehyde specification IOS M AT 0003, version AA-10899-9 uncoated MDF board must not exceed a perforator limit value (photometrical) of 5 mg HCHO/100g over-dry board at moisture content of 6,5 %.

Signed for and on behalf oft he manufacturer by:

Manfred Riepertinger
PM Environment & Core Products

St. Johann in Tirol 28.06.2013