

CERTIFICATE OF QUALITY

CQ.: 014

REV.: 003

MAY 10TH, 2017

The parameters indicated in this Certificate of Quality refer to values specified in NBR 14.810-2:2013. The tests results performed by BERNECK, according to standard procedures and methodologies, are in compliance and exceed the specifications listed below.

Properties	Units	Thickness (mm)					
		> 6 to 13	> 13 to 20	> 20 to 25	> 20 to 32	> 32 to 40	> 40
Thickness	mm	± 0,3					
Length and Width (Maximum)	mm	± 5,0					
Squareness (Maximum)	mm/m	≤ 2,0					
Average Density - Variation	%	± 7					
Internal Bond (Minimum)	N/mm ²	0,40	0,35	0,30	0,25	0,20	0,20
Tensile Strength Superficial (Minimum)	N/mm ²	1	1	1	1	1	1
Modulus of Rupture - MOR (Minimum)	N/mm ²	11	11	10,5	9,5	8,5	7
Modulus of Elasticity - MOE (Minimum)	N/mm ²	1.800	1.600	1.500	1.350	1.200	1.050
24 Hour Thickness Swell (Maximum)	%	18	18	15	15	14	14
Residual Moisture Content	%	5 to 13					
Formaldehyde Emissions – Class E2	mg/100g	> 8 ≤ 30					

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CERTIFICATE OF QUALITY

CQ.: 012

REV.: 000

MAY 10TH, 2017

The parameters indicated in this Certificate of Quality refer to values specified in EN 312:2010. The tests results performed by BERNECK, according to standard procedures and methodologies, are in compliance and exceed the specifications listed below.

Properties	Units	Thickness (mm)					
		> 6 to 13	> 13 to 20	> 20 to 25	> 20 to 32	> 32 to 40	> 40
Thickness	mm	± 0,3					
Length and Width (Maximum)	mm	± 5,0					
Squareness (Maximum)	mm/m	≤ 2,0					
Average Density - Variation	%	± 10					
Internal Bond (Minimum)	N/mm ²	0,40	0,35	0,30	0,25	0,20	0,20
Tensile Strength Superficial (Minimum)	N/mm ²	1	1	1	1	1	1
Modulus of Rupture - MOR (Minimum)	N/mm ²	11	11	10,5	9,5	8,5	7
Modulus of Elasticity - MOE (Minimum)	N/mm ²	1.800	1.600	1.500	1.350	1.200	1.050
Residual Moisture Content	%	5 to 13					
Perforator value – Class E 1	mg/100g	≤ 8					

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