

# Declaration of Performance, Tolko Industries Ltd Plywood

No. 1224-CPR-0004

1. Unique identification code of the product-type  
CSA O121 DFP
2. Intended uses:  
For Structural or non-structural use in interior or exterior applications  
Floor, wall and roof details as identified Technical Class EN 636-3
4. Manufacturer:  
Tolko Industries Ltd. - Armstrong Plywood  
PO Box 39  
Vernon, B.C. Canada  
V1T 6M1  
250-545-4411  
www.tolko.com
6. System of Assessment:  
Assessment and verification of consistency of performance (AVCP) System 2+
7. Notified body No. 1224, BM Trada Certification Limited performed the initial inspection and continue performance surveillance under system AVCP 2+ and issued a Certificate of Conformity of the Factory Production Control
9. Declared Performance:  
See attached table next page.
10. The performance of the product identified above is in conformity with the set of the declared Performances. This declaration of performance is issued under the sole responsibility of the manufacturer listed above, and is in conformance with Regulation (EU) No. 305/2011

Signed for and on behalf of the manufacturer by:

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Darren Copp, Technical & Veneer Coordinator - Tolko Armstrong Plywood  
Vernon, BC Canada. November 17, 2016

# PLYWOOD

## DECLARATION OF PERFORMANCE

EN 13986

Complying with EN 636

Characteristics Based on EN 12369-2

### 12.5 mm, 15.5 mm and 18.5 mm Structural Softwood Plywood Douglas-fir Plywood (DFP)

Characteristic density (kg/m <sup>3</sup> ) and strength (N/mm <sup>2</sup> or MPa)											
Thickness (Nominal) mm	Number of Veneers/layers	EN 635-3 Veneer grade	Density	Bending		Tension		Compression		Shear	
				$\rho_p$ mean		$f_t$		$f_c$		Panel	Planar
$t_{nom}$				$f_m$		$f_t$		$f_c$		$f_v$	$f_r$
				0	90	0	90	0	90		
12.5	4/3	III/IV	509	25	15	10	6	12,5	7,5	4,3	0,7
15.5	5/5	III/IV	450	20	15	8	6	10	7,5	3,5	0,6
18.5	7/7	III/IV	455	20	15	8	6	10	7,5	3,5	0,6

Mean Stiffness Values (N/mm <sup>2</sup> or MPa)								
Thickness (Nominal) mm	Bending		Tension		Compression		Shear	
	$E_m$		$E_t$		$E_c (=E_t)$		Panel	Planar
$t_{nom}$	0	90	0	90	0	90	$G_v$	$G_r$
	12.5 (4/3)	5000	1500	2500	750	2500		
15.5 (5/5)	5000	2000	2500	1000	2500	1000	310	16
18.5 (7/7)	5000	2000	2500	1000	2500	1000	310	16

## Declaration of Performance, Tolko Industries Ltd Plywood

No. 1224-CPR-0004

1. Unique identification code of the product-type  
CSA O151 CSP
2. Intended uses:  
For Structural or non-structural use in interior or exterior applications  
Floor, wall and roof details as identified Technical Class EN 636-3
4. Manufacturer:  
Tolko Industries Ltd. - Armstrong Plywood  
PO Box 39  
Vernon, B.C. Canada  
V1T 6M1  
250-545-4411  
www.tolko.com
6. System of Assessment:  
Assessment and verification of consistency of performance (AVCP) System 2+
7. Notified body No. 1224, BM Trada Certification Limited performed the initial inspection and continue performance surveillance under system AVCP 2+ and issued a Certificate of Conformity of the Factory Production Control
9. Declared Performance:  
See attached table next page.
10. The performance of the product identified above is in conformity with the set of the declared Performances. This declaration of performance is issued under the sole responsibility of the manufacturer listed above, and is in conformance with Regulation (EU) No. 305/2011

Signed for and on behalf of the manufacturer by:

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Darren Copp, Technical & Veneer Coordinator - Tolko Armstrong Plywood  
Vernon, BC Canada. November 17, 2016

# PLYWOOD

## DECLARATION OF PERFORMANCE

EN 13986

Complying with EN 636

Characteristics Based on EN 12369-2

### 12.5 mm, 15.5 mm and 18.5 mm Structural Softwood Plywood Canadian Softwood Plywood (CSP)

Characteristic density (kg/m <sup>3</sup> ) and strength (N/mm <sup>2</sup> or MPa)											
Thickness (Nominal) mm	Number of Veneers/layers	EN 635-3 Veneer grade	Density	Bending		Tension		Compression		Shear	
				$f_m$		$f_t$		$f_c$		Panel	Planar
$t_{nom}$			$\rho_p$ mean							$f_v$	$f_r$
				0	90	0	90	0	90		
12.5	4/3	III/IV	434	20	10	8	4	10	5	2,7	0,5
15.5	5/5	III/IV	435	15	10	6	4	7,5	5	2,7	0,5
18.5	7/7	III/IV	435	15	10	6	4	7,5	5	2,7	0,5

Mean Stiffness Values (N/mm <sup>2</sup> or MPa)								
Thickness (Nominal) mm	Bending		Tension		Compression		Shear	
	$E_m$		$E_t$		$E_c (=E_t)$		Panel	Planar
$t_{nom}$	0	90	0	90	0	90	$G_v$	$G_r$
	12.5 (4/3)	4000	1500	2500	750	3200		
15.5 (5/5)	3500	2000	1750	1000	2800	1600	270	11
18.5 (7/7)	3500	2000	1750	1000	2800	1600	270	11