



HFB ENGINEERING GMBH

TEST LABORATORY FOR CONSTRUCTION MATERIALS AND ELEMENTS
NOTIFIED BODY (REFERENCE- No. 1034)
Zschortauer Straße 42 • 04129 Leipzig • Germany

CERTIFICATE OF FACTORY PRODUCTION CONTROL

CE No. 1034 – CPD – 1403/2/09

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction products

Radiata Pine Plywood
presented on page 2 of this certificate

for internal use as structural components in humid conditions

produced by the manufacturer

TULSA S.A.
Valle Colcura S/N
Casilla 51, Lota
Chile

in the factory

TULSA S.A.
Valle Colcura S/N
Casilla 51, Lota
Chile

are submitted by the manufacturer to the initial type-testing of the product and a factory production control and that the approved body HFB has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control (system 2⁺). This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standard

EN 13986 : 2004

were applied.

This certificate was first issued on December 22nd, 2009 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

The validity of this certificate will be confirmed by the certification report issued every six month by the certification laboratory.

Leipzig, December 22nd, 2009



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Dipl.- Ing. L. Roewer
Head of Certification Laboratory

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Plywood Products:

Panel Types						
No.	Plant Designation	Nominal thickness	Minimum Veneer Quality		Surface	Intended Use as pursuant to EN 13986, Section 4.1 to 4.7
			Face	Back		
1	CC PTS	9 mm	Cplugged	C	Touchsanded	4.2
2	CC PTS	12 mm	Cplugged	C	Touchsanded	4.2
3	CC PTS	15 mm	Cplugged	C	Touchsanded	4.2
4	CC PTS	18 mm	Cplugged	C	Touchsanded	4.2
5	CC PTS	21 mm	Cplugged	C	Touchsanded	4.2
6	BC	9 mm	B	C	Sanded 2 sides	4.2
7	BC	12 mm	B	C	Sanded 2 sides	4.2
8	BC	15 mm	B	C	Sanded 2 sides	4.2
9	BC	18 mm	B	C	Sanded 2 sides	4.2
10	AC	18 mm	A	C	Sanded 2 sides	4.2

Panel Types			Wood Species/ Density		Veneer Thickness / Panel Layup (mm)
No.	Thickness	Plies	Outer Layers	Inner Plies	
1	9 mm	3	Radiata Pine > 570 kg/m ³	Radiata Pine > 570 kg/m ³	3,0 - 3,0 - 3,0
2	12 mm	5			2,4 - 2,4 - 2,4 - 2,4 - 2,4
3	15 mm	5			2,4 - 3,6 - 3,0 - 3,6 - 2,4
4	18 mm	7			2,4 - 2,4 - 3,6 - 2,4 - 3,6 - 2,4 - 2,4
5	21 mm	7			3,15 - 3,15 - 3,15 - 3,15 - 3,15 - 3,15 - 3,15
6	9 mm	3			3,0 - 4,2 - 3,0
7	12 mm	5			2,4 - 2,4 - 3,6 - 2,4 - 2,4
8	15 mm	5			2,4 - 3,6 - 4,2 - 3,6 - 2,4
9	18 mm	7			2,4 - 2,4 - 3,6 - 2,4 - 3,6 - 2,4 - 2,4
10	18 mm	7			2,4 - 3,15 - 2,4 - 3,15 - 2,4 - 3,15 - 2,4

