

Suitability for outdoor use of different combinations between **polyurethane Decoral System® Powder coatings** and **heat transfer film Decoral System®** must be assessed on [www.decoral-system.com](http://www.decoral-system.com). (link: **TESTED FOR OUTDOOR USE**) or contacting our laboratory.

# CHESTNUT

L' idoneità all'impiego in esterno degli abbinamenti tra **prodotti vernicianti poliuretani Decoral System®** e **film sublimatici Decoral System®** dovrà essere valutata sul sito internet [www.decoral-system.com](http://www.decoral-system.com) (alla voce **FINITURE ADATTE PER USO ESTERNO**) oppure contattando il nostro laboratorio.

MRK-005-1038



*Powder Coating: DS 739 + Heat Transfer Film: 1301/01*



*Powder Coating: DS 775 + Heat Transfer Film: 1301/01*



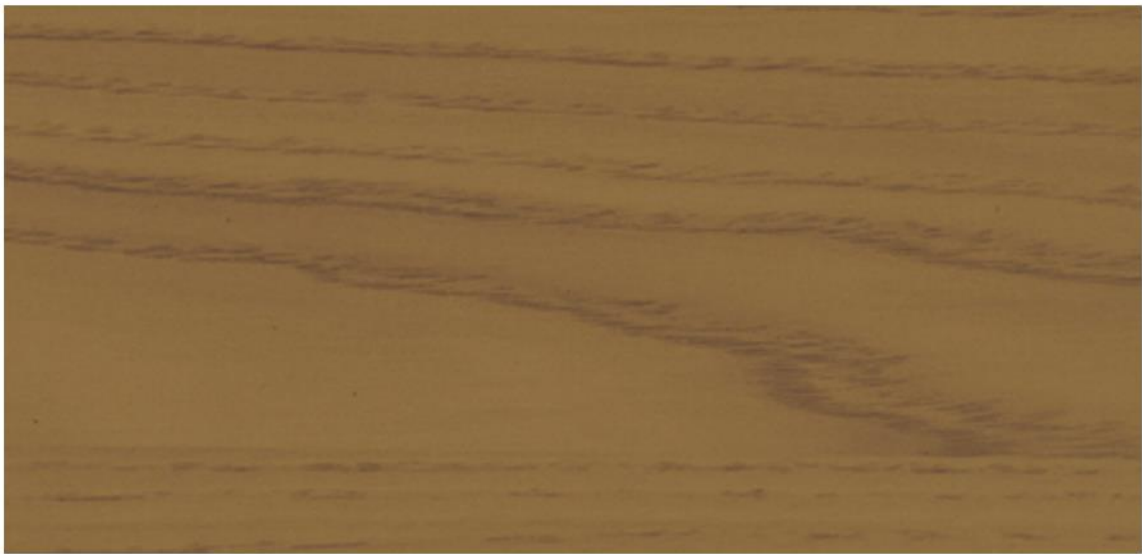
*Powder Coating: DS 733 + Heat Transfer Film: 1301/01*



*Powder Coating: DS 716 + Heat Transfer Film: 1301/03*




*Powder Coating: DS 733 + Heat Transfer Film: 1301/03*





*Powder Coating: DS 741 + Heat Transfer Film: 1301/03*


Test Report:  
Florida Natural Exposure

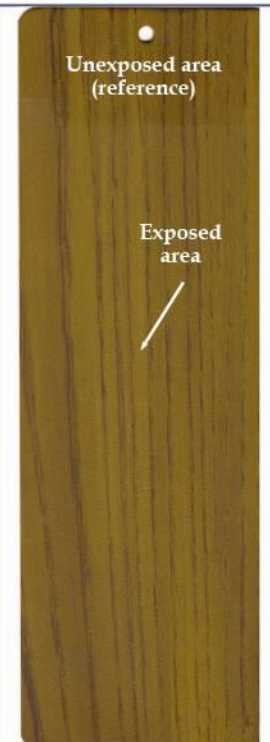
Decoral LAB  
Research and Development

97

Florida Test

Total duration:  
12 months

EXPOSURE PERIOD:  
FROM: 23/05/2014  
TO: 27/05/2015



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 33876  
POWDER COATING: DS 733  
HEAT TRANSFER FILM: 1301/03  
Colour variation (ΔE): 1.29  
residual gloss: 85%


Technical Remarks  
Excellent residual gloss and low colour variation (ΔE).

Technical Opinion:  
Suitable for OUTDOOR USE


Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
  
REQUIREMENTS  
The residual gloss must be at least 50% of the original gloss.  
The final evaluation will be based on visual inspection with the naked eye


Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 16/07/2015 ID Report: TR-NE-97-2015


Test Report:  
Florida Natural Exposure


Decoral LAB  
Research and Development

26

Florida Test

Total duration:  
12 months

EXPOSURE PERIOD:  
FROM: 12/08/2010  
TO: 17/08/2011



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 22430  
POWDER COATING: DS 716  
HEAT TRANSFER FILM: 1301/03L  
colour variation (ΔE): 2.48  
residual gloss: 59%

Technical Remarks  
Good residual gloss and very low colour variation (ΔE)


Technical Opinion:  
Suitable for OUTDOOR USE

Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
  
REQUIREMENTS  
The residual gloss must be at least 50% of the original gloss.  
The final evaluation will be based on visual inspection with the naked eye


Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 09/02/2012 ID Report: TR-NE-26-2012

CHESTNUT


Test Report:  
Accelerated Weathering Test


Decoral LAB  
Research and Development

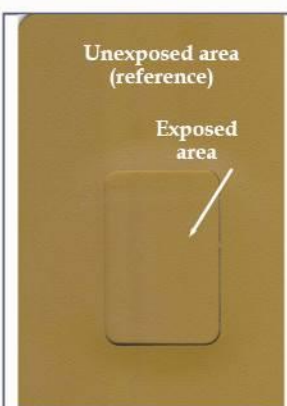
08

Laboratory Test

No. 385


Device:  
Sol 300e

Total duration:  
1160h



Unexposed area  
(reference)

Exposed area



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 32148  
POWDER COATING: DS 741  
HEAT TRANSFER FILM: --  
Colour Variation(ΔE): 8,53  
residual gloss: 63%

LAB. ID NUMBER: 32150  
POWDER COATING: DS 741  
HEAT TRANSFER FILM: 1301/03  
Colour Variation(ΔE): 8,7  
residual gloss: 72%

Technical Remarks  
Good residual gloss and very low colour variation (ΔE), after 1160 hours.

Technical Opinion:  
Suitable for OUTDOOR USE


Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
However, the resistance against accelerated weathering test is only one of the conditions necessary for the evaluation of the resistance of the finished product. For a final assessment see further analysis on natural exposure in Florida.

Mod\_TR\_01\_rev02 Laboratory Decoral System Date: 11/01/2014 ID Report: TR-IA-08-2014


Test Report:  
Accelerated Weathering Test

Decoral LAB  
Research and Development

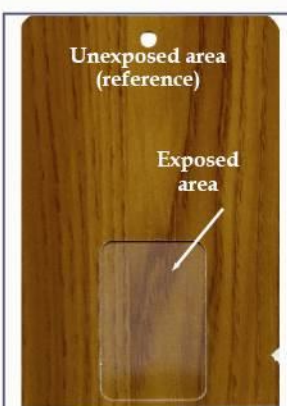
44

Laboratory Test

No. 580

Device:  
QSun 3000N

Total duration:  
1134 h



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 49348  
POWDER COATING: DS 775  
HEAT TRANSFER FILM: 1301/01  
Colour Variation (ΔE): 1,44  
residual gloss: 66%


Technical Remarks  
Sufficient residual gloss and low colour variation (ΔE), after 1134 hours.

Technical Opinion:  
Suitable for OUTDOOR USE


Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
However, the resistance against accelerated weathering test is only one of the conditions necessary for the evaluation of the resistance of the finished product. For a final assessment see further analysis on natural exposure in Florida.

Mod\_TR\_01\_rev03 Laboratory Decoral System Date: 23/04/2021 ID Report: TR-IA-44-2021


Test Report:  
Accelerated Weathering Test


Decoral LAB  
Research and Development

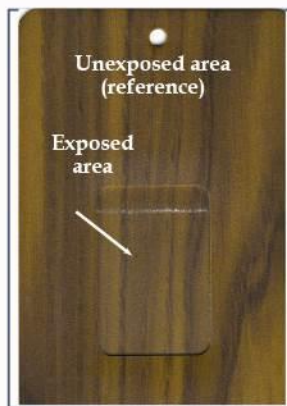
120

Laboratory Test

No. 417

Device:  
Sola 1500e

Total duration:  
866h



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 34971  
POWDER COATING: DS 733  
HEAT TRANSFER FILM: 1301/01  
colour variation (ΔE): 1,4  
residual gloss: 78%


Technical Remarks  
Excellent residual gloss and low colour variation (ΔE), after 866 hours.

Technical Opinion:  
Suitable for OUTDOOR USE


Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
However, the resistance against accelerated weathering test is only one of the conditions necessary for the evaluation of the resistance of the finished product. For a final assessment see further analysis on natural exposure in Florida.

Mod\_TR\_01\_rev03 Laboratory Decoral System Date: 30/09/2014 ID Report: TR-IA-120-2014


Test Report:  
Accelerated Weathering Test


Decoral LAB  
Research and Development

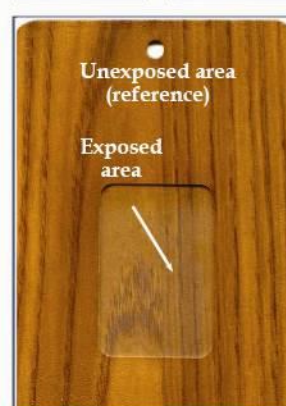
66

Laboratory Test

No. 483

Device:  
QSun 3000

Total duration:  
1173 h



Unexposed area  
(reference)

Exposed area

LAB. ID NUMBER: 40753  
POWDER COATING: DS 739  
HEAT TRANSFER FILM: 1301/01  
Colour Variation (ΔE): 1,85  
residual gloss: 55%

Technical Remarks  
Sufficient residual gloss and low colour variation (ΔE), after 1173 hours.

Technical Opinion:  
Suitable for OUTDOOR USE

Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.  
However, the resistance against accelerated weathering test is only one of the conditions necessary for the evaluation of the resistance of the finished product. For a final assessment see further analysis on natural exposure in Florida.

Mod\_TR\_01\_rev03 Laboratory Decoral System Date: 06/04/2017 ID Report: TR-IA-66-2017