Decoral System

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.* (link: **TESTED FOR OUTDOOR USE**) or contacting our laboratory.

PLASTIK

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

MRK-005-1020

Powder Coating: 9G-148-A009 + Heat Transfer Film: 2507/01

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2502/15

Powder Coating: DS 741 + Heat Transfer Film: 2504/02

Powder Coating: DS-0739S + Heat Transfer Film: 1405/02

Powder Coating: DS 775 + Heat Transfer Film: 1829/02

Powder Coating: DS 775 + Heat Transfer Film: 2507/18

Test Report: Florida Natural Exposure — Decoral LAB Research and Development — **49**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **27/11/2015**

TO: **19/12/2016**

LAB. ID NUMBER: 38477
POWDER COATING: DS-07398
HEAT TRANSFER FILM: 1405/02
Colour variation (ΔE): **1,03**
residual gloss: **100%**

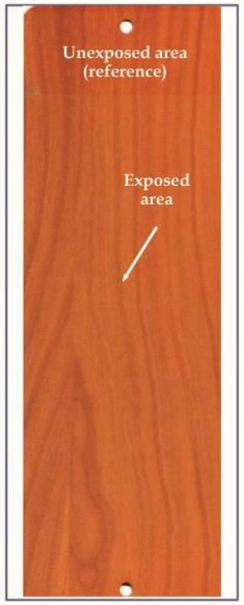
Technical Remarks

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.

QUALICOAT REQUIREMENTS
The residual gloss shall be at least 50% of the original gloss. The ΔE values shall not exceed the maximum values prescribed in the annexed table (see Appendix A7 of Qualicoat Specifications).



Mod_TR_02_rev02 | Laboratory Decoral System | Date: 23/02/2017 | ID Report: TR-NE-49-2017

Test Report: Florida Natural Exposure — Decoral LAB Research and Development — **02**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **19/01/2018**

TO: **24/01/2019**

LAB. ID NUMBER: 41719
POWDER COATING: DS 775
HEAT TRANSFER FILM: 1829/02
Colour variation (ΔE): **1,56**
residual gloss: **61%**

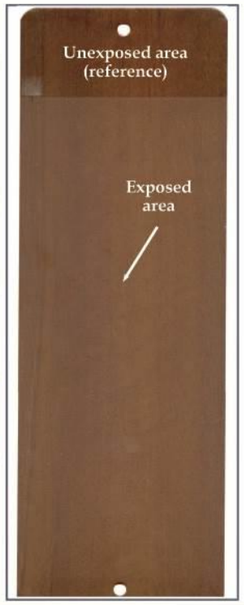
Technical Remarks

Sufficient residual gloss and sufficient colour variation (ΔE).

Technical Opinion:
Suitable for OUTDOOR USE

Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.

QUALIDECO 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, with a maximum value of 4 on the grey scale (ISO 105-A02).



Mod_TR_02_rev02 | Laboratory Decoral System | Date: 02/03/2020 | ID Report: TR-NE-02-2020

Test Report: Accelerated Weathering Test — Decoral LAB Research and Development — **26**

Laboratory Test | No. **523** | Device: QSun 3000 | Total duration: 1098 h

LAB. ID NUMBER: 43417
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2502/15
Colour Variation (ΔE): **0,82**
residual gloss: **85%**

Technical Remarks

Excellent residual gloss and low colour variation (ΔE), after 1096 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: 02/03/2020 | ID Report: TR-IA-26-2020

Test Report: Accelerated Weathering Test — Decoral LAB Research and Development — **76**

Laboratory Test | No. **274** | Device: QSun 3000 | Total duration: 957h

LAB. ID NUMBER: 24054
POWDER COATING: DS 775
HEAT TRANSFER FILM: –
colour variation (ΔE): **0,36**
residual gloss: **100%**

LAB. ID NUMBER: 24045
POWDER COATING: DS 775
HEAT TRANSFER FILM: 2507/18
colour variation (ΔE): **1,12**
residual gloss: **91%**

Technical Remarks

Excellent residual gloss and very low colour variation (ΔE), after 957 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: 20/02/2012 | ID Report: TR-IA-76-2012

Test Report: Accelerated Weathering Test — Decoral LAB Research and Development — **82**

Laboratory Test | No. **398** | Device: Sol 3000RH | Total duration: 1094h

LAB. ID NUMBER: 34204
POWDER COATING: DS 741
HEAT TRANSFER FILM: 2504/02
colour variation (ΔE): **1,47**
residual gloss: **58%**

Technical Remarks

Sufficient residual gloss and low colour variation (ΔE), after 1094 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: 03/06/2014 | ID Report: TR-IA-82-2014

Test Report: Accelerated Weathering Test — Decoral LAB Research and Development — **25**

Laboratory Test | No. **482** | Device: Solar 3000RH | Total duration: 1153 h

LAB. ID NUMBER: 41226
POWDER COATING: 9G-148-A009
HEAT TRANSFER FILM: 2507/01
Colour Variation (ΔE): **2,61**
residual gloss: **81%**

Technical Remarks

Excellent residual gloss and normal colour variation (ΔE), after 1153 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: 02/03/2020 | ID Report: TR-IA-25-2020

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