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.

# CHOCOLATE

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2304/07

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2504/12

*Powder Coating:* 8G-096-A009 *+ Heat Transfer Film: 2501/02*

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2112/01

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2120/03

Powder Coating: 8G-096-A009 + Heat Transfer Film: 2117/03

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-005-1001

# CHOCOLATE

**Test Report:** Florida Natural Exposure — Decoral LAB Research and Development — **295**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **10/08/2022**

TO: **10/08/2023**

LAB. ID NUMBER: 52440
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2112/01
colour variation (ΔE): 0,54
residual gloss: 74%

**Technical Remarks**

Good residual gloss and low color 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: 08/02/2024 | ID Report: TR-NE-295-2024

**Test Report:** Florida Natural Exposure — Decoral LAB Research and Development — **67**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **27/04/2019**

TO: **07/05/2020**

LAB. ID NUMBER: 44170
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2501/02
Colour variation (ΔE): 1,58
residual gloss: 69%

**Technical Remarks**

Good 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: 22/10/2020 | ID Report: TR-NE-67-2020

**Test Report:** Florida Natural Exposure — Decoral LAB Research and Development — **48**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **10/08/2022**

TO: **10/08/2023**

LAB. ID NUMBER: 52441
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2304/07
colour variation (ΔE): 1,10
residual gloss: 52%

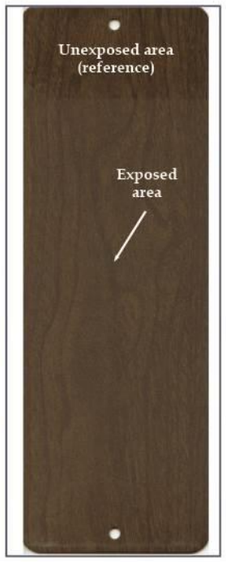
**Technical Remarks**

Sufficient residual gloss and normal color 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: 18/01/2024 | ID Report: TR-NE-48-2024

**Test Report:** Florida Natural Exposure — Decoral LAB Research and Development — **65**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **27/04/2019**

TO: **07/05/2020**

LAB. ID NUMBER: 44168
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2504/12
Colour variation (ΔE): 0,84
residual gloss: 74%

**Technical Remarks**

Good 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: 22/10/2020 | ID Report: TR-NE-65-2020

**Test Report:** Florida Natural Exposure — Decoral LAB Research and Development — **66**

Florida Test | Total duration: 12 months

EXPOSURE PERIOD:

FROM: **27/04/2019**

TO: **07/05/2020**

LAB. ID NUMBER: 44169
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2120/03
Colour variation (ΔE): 0,69
residual gloss: 75%

**Technical Remarks**

Good residual gloss and low colour variation (ΔE).

**Technical Opinion:**
**Suitable for OUTDOOR USE**

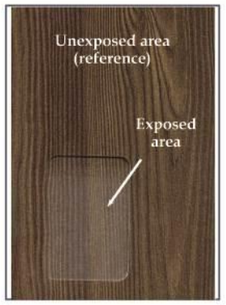
Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.

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: 22/10/2020 | ID Report: TR-NE-66-2020

**Test Report:** Accelerated Weathering Test — Decoral LAB Research and Development — **41**

Laboratory Test | No. 558 | Device: QSun 3000 | Total duration: 1152 h




LAB. ID NUMBER: 46469
POWDER COATING: 8G-096-A009
HEAT TRANSFER FILM: 2117/03
Colour Variation (ΔE): 1,9
residual gloss: 68%

**Technical Remarks**

Good residual gloss and low colour variation (ΔE), after 1152 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 analyses on natural exposure in Florida.

Mod_TR_01_rev03 | Laboratory Decoral System | Date: 12/05/2020 | ID Report: TR-IA-41-2020

Decoral System s.r.l. - Viale del Lavoro, 5 - Arcole (VR) Italy - Tel. +39 045 7639111 - Fax +39 045 7639100 - info@decoral-system.com - www.decoral-system.com