

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.

# COPPER EFFECT



*Powder Coating: 9C-036-A004 + Heat Transfer Film: 6052/01L*



*Powder Coating: 9C-036-A004 + Heat Transfer Film: 5007/01L*



*Powder Coating: 9B-036-A004 + Heat Transfer Film: 6052/01L*



*Powder Coating: 9B-036-A004 + Heat Transfer Film: 6047/03L*



*Powder Coating: 9G-036-A004 + Heat Transfer Film: 6052/01L*



*Powder Coating: 9G-036-A004 + Heat Transfer Film: 5007/01L*

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.

**Test Report:** Accelerated Weathering Test

**Decoral LAB** Research and Development

**160**

Laboratory Test No. 303 Device: Solar 3000RH Total duration: 1002h

LAB ID NUMBER: 25130  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: -  
Grey Scale: 5/4  
residual gloss: 78%

LAB ID NUMBER: 25131  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 5007/01  
Grey Scale: 4  
residual gloss: 84%

**Technical Remarks**  
Excellent residual gloss and very low colour variation ( $\Delta E$ ), after 1002 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: 22/12/2011 ID Report: TR-NE-160-2011

**Test Report:** Accelerated Weathering Test

**Decoral LAB** Research and Development

**166**

Laboratory Test No. 303 Device: Solar 3000RH Total duration: 1002h

LAB ID NUMBER: 25142  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: -  
Grey Scale: 5/4  
residual gloss: 67%

LAB ID NUMBER: 25143  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 5007/01  
Grey Scale: 4  
residual gloss: 69%

**Technical Remarks**  
Excellent residual gloss and very low colour variation ( $\Delta E$ ), after 1002 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: 22/12/2011 ID Report: TR-NE-166-2011

**Test Report:** Florida Natural Exposure

**Decoral LAB** Research and Development

**186**

Florida Test Total duration: 12 months

EXPOSURE PERIOD:  
FROM: 20/08/2013  
TO: 21/08/2014

LAB ID NUMBER: 1054  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 052/01  
Grey scale: 4  
residual gloss: 82%

**Technical Remarks**  
Good residual gloss and low colour variation ( $\Delta E$ ).

**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 115-A02).

Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 21/11/2014 ID Report: TR-NE-186-2014

# COPPER EFFECT

**Test Report:** Florida Natural Exposure

**Decoral LAB** Research and Development

**190**

Florida Test Total duration: 12 months

EXPOSURE PERIOD:  
FROM: 20/08/2013  
TO: 21/08/2014

LAB ID NUMBER: 1877  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 052/01  
Grey scale: 4  
residual gloss: 82%

**Technical Remarks**  
Good residual gloss and low colour variation ( $\Delta E$ ).

**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 115-A02).

Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 21/11/2014 ID Report: TR-NE-190-2014

**Test Report:** Florida Natural Exposure

**Decoral LAB** Research and Development

**188**

Florida Test Total duration: 12 months

EXPOSURE PERIOD:  
FROM: 20/08/2013  
TO: 21/08/2014

LAB ID NUMBER: 1872  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 052/01  
Grey scale: 4  
residual gloss: 65%

**Technical Remarks**  
Good residual gloss and low colour variation ( $\Delta E$ ).

**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 115-A02).

Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 21/11/2014 ID Report: TR-NE-188-2014

**Test Report:** Florida Natural Exposure

**Decoral LAB** Research and Development

**187**

Florida Test Total duration: 12 months

EXPOSURE PERIOD:  
FROM: 20/08/2013  
TO: 21/08/2014

LAB ID NUMBER: 1871  
POWDER COATING: 9C 036-A004  
HEAT TRANSFER FILM: 007/01  
Grey scale: 4  
residual gloss: 77%

**Technical Remarks**  
Good residual gloss and low colour variation ( $\Delta E$ ).

**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 115-A02).

Mod\_TR\_02\_rev02 Laboratory Decoral System Date: 21/11/2014 ID Report: TR-NE-187-2014