



Marchi di qualità registrati di **Decoral System®**



DECORAL SYSTEM SRL

Viale del Lavoro, 5 - Arcole 37040 (Verona) ITALY - Tel. +39 045 7639111 - Fax +39 045 7639100
Email: info@decoral-system.com - Website: www.decoral-system.com

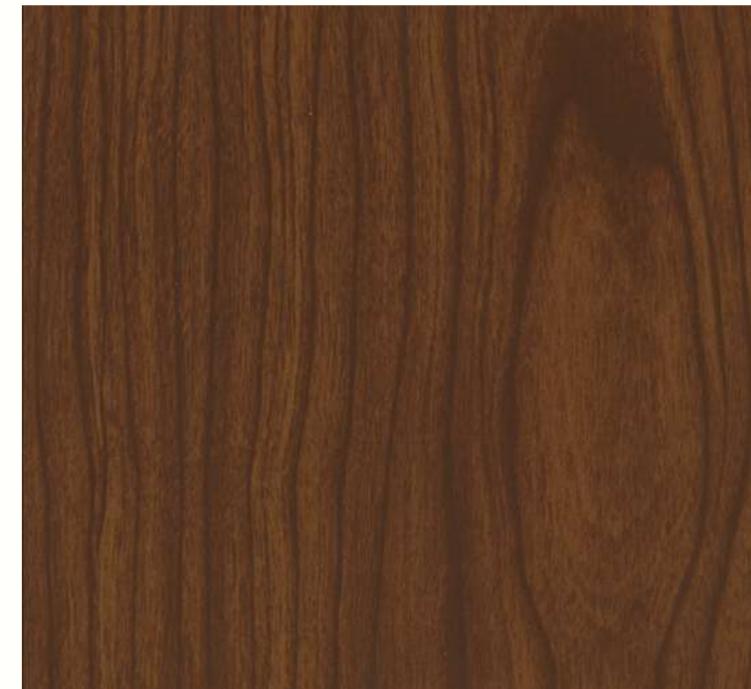
TECHNICAL TOOLS

Laboratory Tests and Data

QUALITYDECORAL SILVER

Powder Coating: DS 403

Heat Transfer Film: 2601/01



Key features:

- Durability
- Quality
- Accelerated Weathering Test
- Natural Exposure Test
- Silver Finishes

Wood effect DS 403 +2601/01

What is QualityDecoral Silver?

QualityDecoral Silver is a guarantee of durability released for highly resistant finishes, that are thus considered suitable for outdoor use.

Tests for the guarantee

Finishes are submitted to intensive light radiation and severe weathering conditions for long periods. The DecoralLab Accelerated Weathering Test devices (QSun3000 and Solarbox) simulate long term exposure to typical weather conditions. QualityDecoral Silver guarantee also requires the Natural Exposure Test, to be carried out in Florida where environmental conditions are harsher, for a one-year term.



Accelerated Weathering Test devices
Decoral Lab



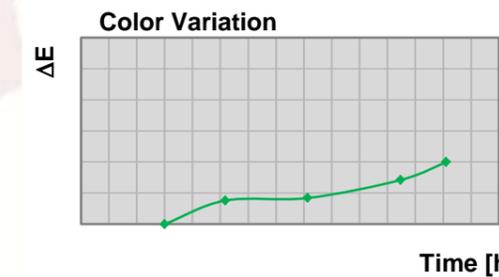
Natural Exposure
Florida

After the Exposure

After the exposure terms, two important and especially representative features of a fancy effect are measured to determine its quality and its durability:

- **Gloss%:** it's the residual gloss of the finish, expressed as a percentage on the initial value.
- **ΔE:** variation in color, alteration of the shade and tonality.

Decoration after the Accelerated Weathering Test



ΔE
1,00

GLOSS%		
initial	20.8	99
final	20.2	

Decoration after the Natural Exposure Test in Florida



ΔE
1,56

GLOSS%		
initial	12.5	99
final	12.4	



Certificate of quality

If the decoration passes the tests, that is if good values are observed under every point of view after the exposure periods, the QualityDecoral Silver Certificate is released.