

QUALICOAT/QUALIDECO FLORIDA TEST RESULTS



QUALIDECO CLASS 1 – FILM AND POWDER SUPPLIERS

- ☞ Exposure period: April 2019 – April 2020
- ☞ Results of Florida test on class 1 decorated samples for granting and renewal of approved decoration systems of film and powder suppliers
- ☞ ***Sublimation technology***: plain press for film transfer
- ☞ ***Powder on powder technology***: silkscreen

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Sublimation

Granting

BASIC DECORATION	BASE COAT	EXPOSED SAMPLES	REFERENCE SAMPLES (NOT EXPOSED)
		DECORATED	DECORATED
WALNUT	BROWN	3	1
DARK OAK	BROWN	3	1
PINE	BEIGE	3	1
LIGHT OAK	BEIGE	3	1

Renewal 2018

DECORATION	BASE COAT	EXPOSED SAMPLES	REFERENCE SAMPLES (NOT EXPOSED)
CHERRY	BROWN	3	1
PINE	BEIGE	3	1

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Powder on powder

Renewal 2018

DECORATION	BASE COAT	TOP COAT	EXPOSED SAMPLES	REFERENCE SAMPLES (NOT EXPOSED)
CHERRY	RAL 8023	RAL 8012	3	1

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- ❧ Samples size: 100x300 mm
- ❧ QUALITAL LAB collect the samples sent from QUALICOAT/QUALIDECO approved laboratories
- ❧ QUALITAL LAB measure the decorated samples in gloss and color instrumentally before sending to ATLAS Exposure Site in Florida
- ❧ After 1 year of exposure (2019-2020), the decorated samples were cleaned following standard QUALICOAT procedure, measured in gloss and color instrumentally, and finally checked for visual evaluation by the FLORIDA WORKING GROUP.

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Appar



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SUBLIMATION *GRANTING*

- ❧ 16 DECORATION SYSTEMS (P-N° + 4 basic decorations)
- ❧ SATISFACTORY: 8 (50%)
- ❧ UNSATISFACTORY: 8 (50%)

RENEWAL 2018

- ❧ 82 DECORATION SYSTEMS (P-N° + 2 decorations)
- ❧ SATISFACTORY: 68 SATISFACTORY (83%)
- ❧ UNSATISFACTORY: 14 (17%)

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SUMMARY OF RESULTS (SUBLIMATION CLASS 1)					
		RESULTS			
	SAMPLES	+	-	% POS	% NEG
RENEWAL 2018	492	399	93	81	19
GRANTING	192	147	45	77	23

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POWDER ON POWDER

RENEWAL 2018

❧ 13 SYSTEMS CLASS 1 (P-XXX+P-XXX same P-Number)

❧ SATISFACTORY: 11 (85%)

❧ UNSATISFACTORY: 2 (15%)

❧ 3 SYSTEMS CLASS 2 (P-XXX+P-XXX same P-Number)

❧ After 1 YEAR (2019-2020) all the systems satisfactory

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CLASS 2 DECORATIONS

- ❧ 3 samples exposed for every class 2 decoration per year of the exposure (1, 2 and 3 years)
- ❧ Gloss and colour variation measured every year by QUALITAL LAB
- ❧ Visual evaluation carried out every year by the Florida WORKING GROUP

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SUMMARY OF RESULTS (P/P CLASS 1)					
		RESULTS			
	SAMPLES	+	-	% POS	% NEG
RENEWAL 2018	39	33	6	85	15
SUMMARY OF RESULTS (P/P CLASS 2) AFTER 1 YEAR					
		RESULTS			
	SAMPLES	+	-	% POS	% NEG
RENEWAL 2018	27	27	0	100	0

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(RENEWAL 2016 CLASS 2 DECORATIONS)

TESTED DECORATIONS: 11

2017-2018

☞ All decorations satisfactory

2017-2019

☞ All decorations satisfactory

2017-2020

☞ SATISFACTORY: 7 (64%)

☞ UNSATISFACTORY: 4 (36 %)