



QUALITYDECORAL® PLATINUM

FIVE YEARS UNDER SOUTH FLORIDA SUN

 **Decoral® System**

PROUDLY MADE IN ITALY







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class 2.5 powder coating

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beyond weather resistance



## **QUALITYDECORAL® PLATINUM**

when dreams come true

Designing **new products** is our passion, **increasing** their **durability** is our **daily goal**. Class 2.5 powder coatings and hyper-durable sublimation films have raised the bar of weather resistance. Five-year natural exposure test (NET) has shown impressive results. Gloss retention and low colour variation were unthinkable till today: Decoral can be used wherever you want!



durability never seen before



## **POWDER COATINGS + HYPER-DURABLE FILMS**

for a long-lasting wood effect on metal

This brand new series of finished products has been prepared combining class 2.5 powder coatings (17C-XXX-A001 and 17G-XXX-A005), properly formulated using new resins and specifically developed UV inhibitors, with hyper-durable films (8XXXX/YY L4 series, printed with hyper-durable sublimation inks). This special synergy helps us to get greater durability than ever before!



natural exposure test

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five year long





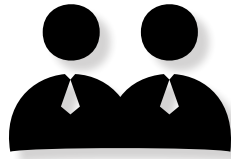
## **TESTED IN FLORIDA**

the harshest place on earth for coated surfaces

Thanks to natural exposure tests, consisting of exposing samples to southern Florida's harsh climate and high UV radiation, R&D labs can reliably foresee products durability. In particular, the new series shows incredibly higher resistance than the previous ones (Qualitydecoral® Silver & Qualitydecoral® Gold).



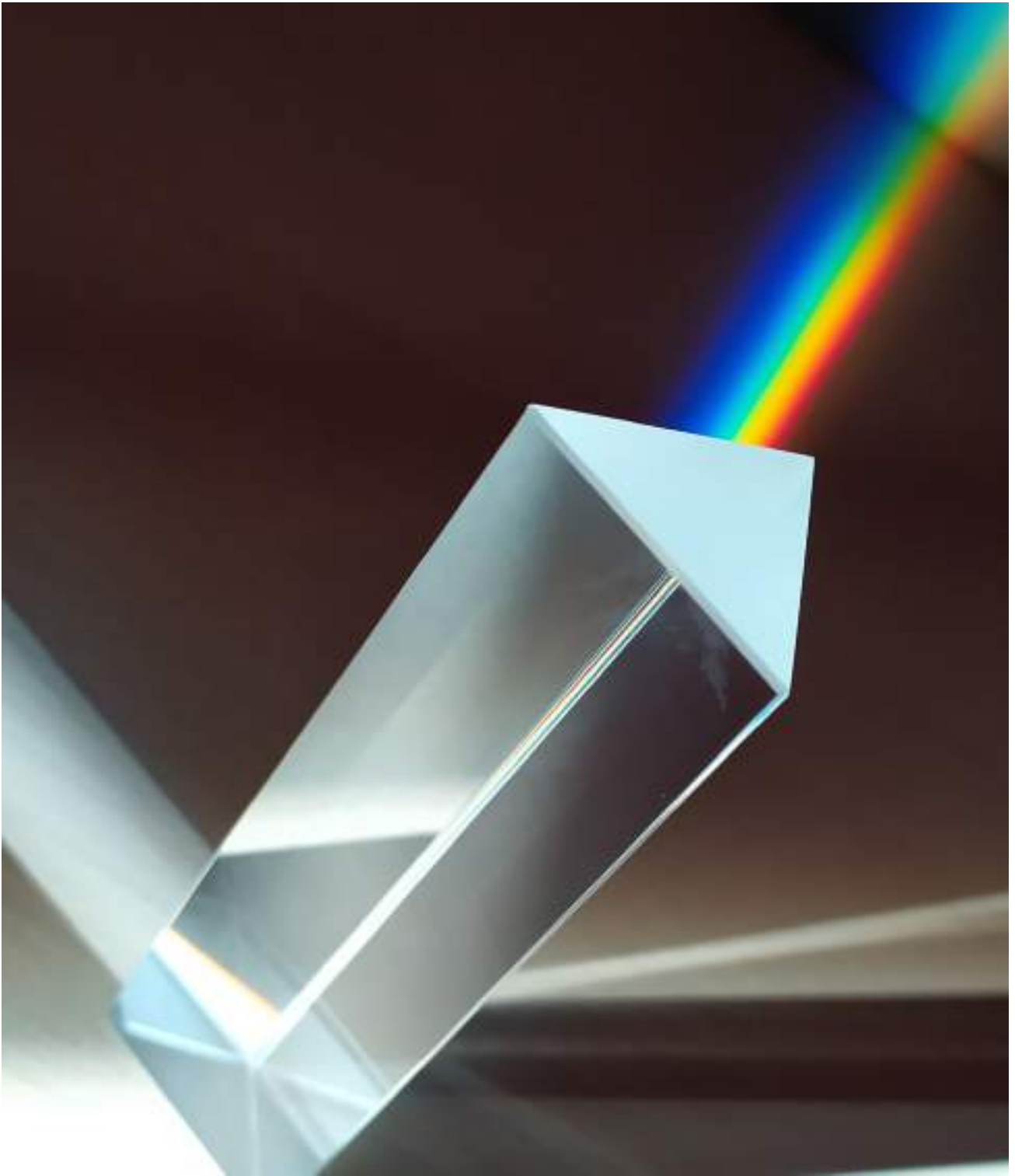
tiny difference



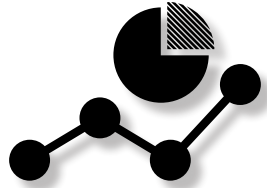
## **NO DEGRADATION**

impossible becomes possible

The picture on the side shows the high durability of decorated surfaces prepared with class 2.5 powder coatings and hyper durable transfer films, after a very long exposure period: **5 years**. QualityDecoral® Platinum samples (both smooth and textured surfaces) reveal all their resistance over time showing almost no degradation.



evidence comes with figures



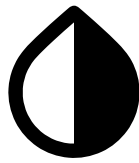
## OUR DATA

the proof of perfection

We have a quantitative evidence of Qualitydecoral® Platinum products high resistance. The main parameters usually monitored to evaluate the degradation of decorated surfaces are colour variation ( $\Delta E$ ) and residual gloss percentage (res%). After a five-year exposure, test results are surprising. The residual gloss value is about 50 - 60% respectively for smooth and textured surfaces. The Delta E is between two and five (CIE  $l^*a^*b$ ) which can be definitely considered an excellent result.

From now on QualityDecoral® Platinum can be used everywhere. With our newly formulated class 2.5 powders and hyper-durable films you can get extremely resistant decorated surfaces.

Here below multiple column charts illustrating positive trends. **A new era begins for our decorated surfaces.**



# GLOSS RETENTION

smooth surfaces residual gloss %

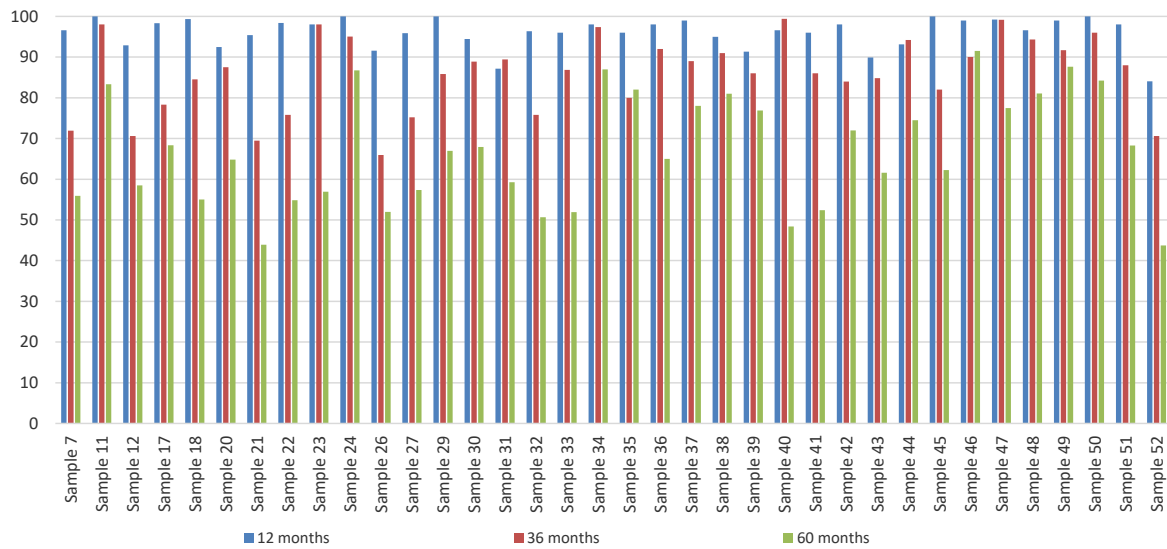


Chart 1: Smooth surfaces residual gloss 1, 3 and 5-year exposure

textured surfaces residual gloss %

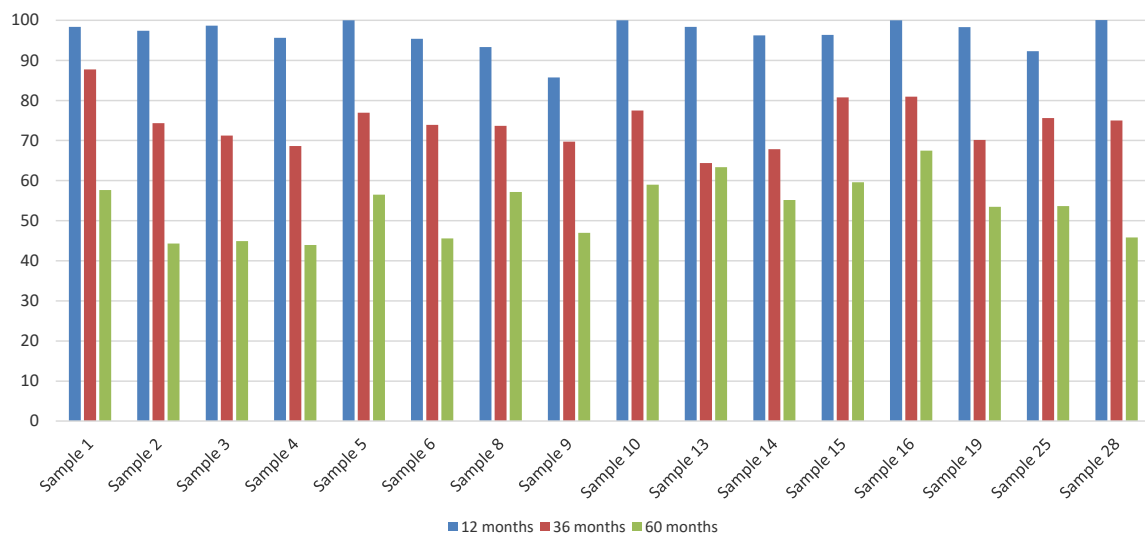


Chart 2: Textured surfaces residual gloss 1, 3 and 5-year exposure



# COLOR VARIATION

smooth surfaces  $\Delta E$

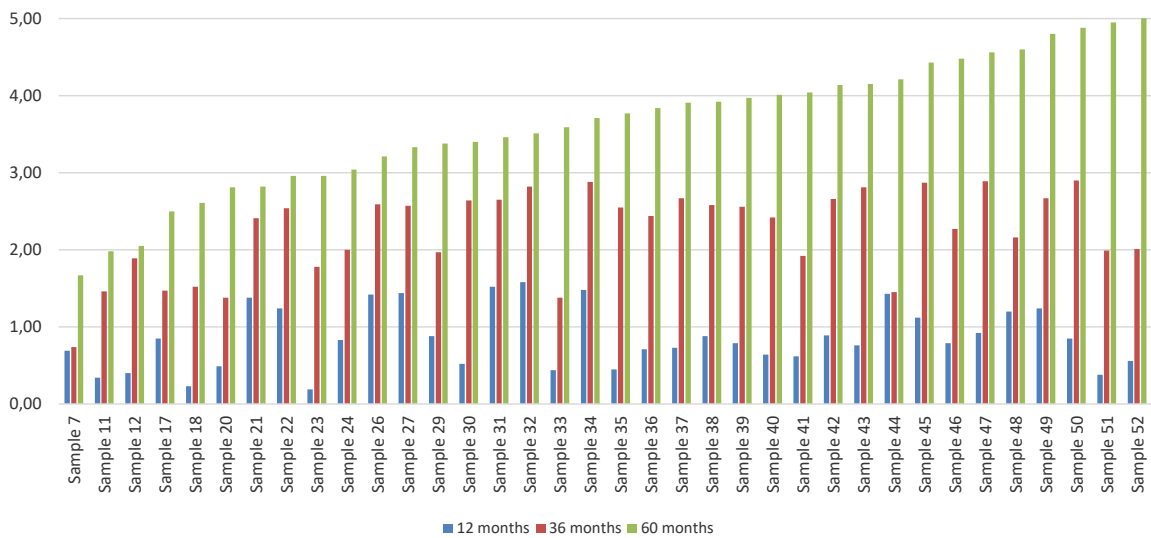


Chart 3: Textured surfaces colour variation ( $\Delta E$ ) 1, 3 and 5-year exposure

textured surfaces  $\Delta E$

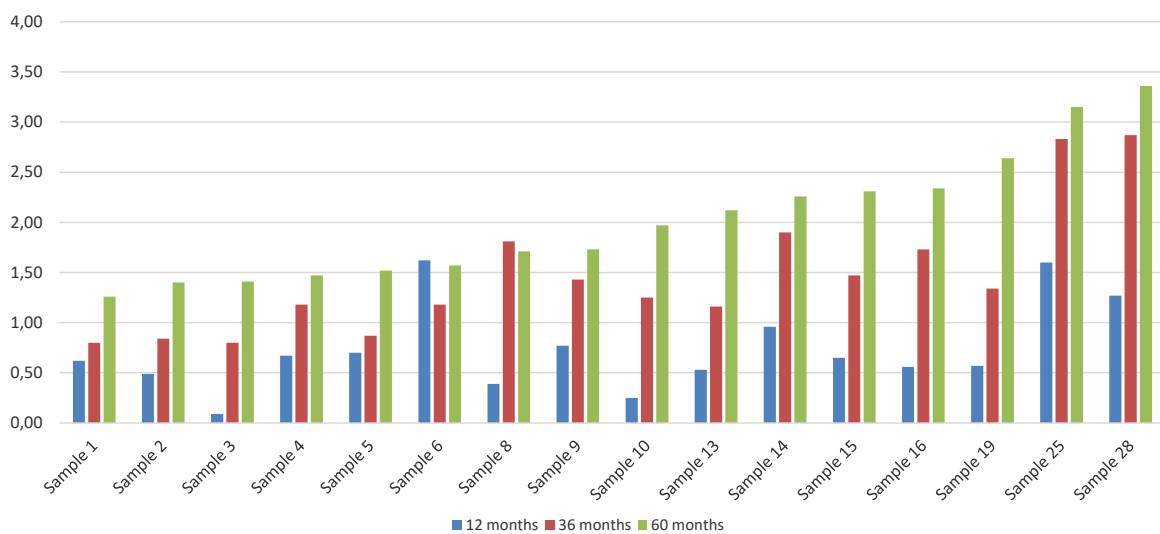


Chart 4: Textured surfaces colour variation ( $\Delta E$ ) 1, 3 and 5-year exposure



    [www.decoral.com](http://www.decoral.com)