



DANIEL HECHTER

P A R I S

REPORT OF DANIEL HECHTER BRANCH FACADE NANO RESTORATION PROJECT

Egypt

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Through this report we would like to present our results for the Daniel Hechter Degla Branch Nano project. You will find in this report all determined area & surfaces which were made by our company nano-materials,. All upcoming photos had been took from real site and real surfaces, It will be from our pleasure to provide any additional technical information of any material we used on this project if needed.

Problem & Current Status

This photo shows the Faded painted metal cladding of external Degla branch facade. The surface tech this result level when substances like water, pollution, chemical materials which are using in regular cleaning process and specific environments conditions react with the pigment of the paint. In other words, the pigment begins to break down, which causes the colour change.

This change usually lightens the colour, but it has been known to darken at first and then completely change specific colours.

Also, it's important to note that panels on the same structure may not even fade uniformly, as every portion is not always subject to the same elements.



Technically this process called photo-degradation, It is all about the chemical makeup of an object.

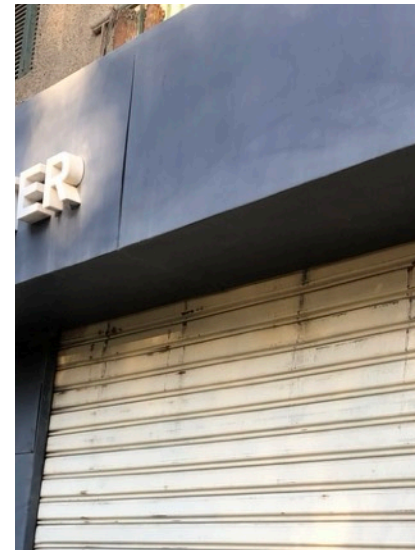
There are light absorbing colour bodies called chromophores that are present in dyes. The colour we see are based upon these chemical bonds and the amount of light that is absorbed in a particular wavelength.

Ultraviolet rays can break down the chemical bonds and thus fade the colour in an object. Some colours may be more prone to fading, such as light colours. Other objects may reflect the light more, which makes them less prone to fade but making what so called Chalking..!

Chalking is the whitish residual that can become visible on a painted or coated metal surface over time.

As a panel is exposed to sunlight and UV rays, the resin begins to break down and degrade. Once the resin starts to break down and continues to be exposed to the sun, oxygen, and other pollutants, it loses its adhesion to the surface and those degraded particles begin to turn white.

These particles will eventually become visible to the naked eye on the metal's surface. Often times, the difference can be subtle; however, if you swipe the panel with your finger, you can not notice the chalky residue on your skin.



Solution & Problem Solving

In this photos you will find the deference between coloured metal cladding before & after restoration process and how the nanomaterials restored the external metal cladding to it's original colour and physical properties.





DAB FLOW COMPANY HOPES THIS RESULTS CAN MEET YOUR EXPECTATION..!

*PLEASE IF YOU NEED ANY FURTHER INFORMATION DO NOT HESITATE TO
CONTACT US DIRECTLY.*