



**Joaquim Melchor, artisan restorer of modernist heritage finishes.**

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The thread of my more than thirty years of experience has been the **manipulation of natural raw material** for different professional contexts in restoration and new manufacturing.

**Today** I dedicate my efforts to investigate the **traditional empirical methods**, demonstrated in the **archaeological** experience and in my own **field experience**, seeking to demonstrate the viability of the natural raw material to create a stable product, making known its results through the company **artcont.com**, specialized in research, editing and content production about the manipulation of natural raw material for art and industrial design, works with a documentary format represented in the book **“The Matter of Creation, to the artisan.”**, and a workshop format **NC & T Workshop**, aimed at professionals who need to deepen the possibilities of natural raw material.

Likewise, to demonstrate the commercial viability of the products manufactured according to this method, I created the company **kmsstudio.net**, in production format of unique works and / or limited collections for nautical, art and interior design.

As a demonstrative example, I have created a compound that brings together the best of the mineral world and the plant world.

The basic reference of the **mineral** is the Roman Cement, the **Opus Signinum**, which in many cases has reached today in very good health, whereas the basic reference of the **vegetable** is shaped by the use of **natural fibbers** such as the **cork**, which has demonstrated its stability in the sealing of amphorae found in submarine deposits.

I name this new compound **NC-SiCork (Natural Compound-Silicate Cork)**, with a range of use that can be used from **marine polar environments to the Ecuadorian desert**, with which you can create any shape like KUB, a floating refuge in high mountain detachable and personalized, or 2Dive, a sea kayak convertible to sailing.

## EXPERIENCE.

When it came time to start a profession, I was consulting the possibilities offered by the different schools in the Barcelona area to learn the artisan craft. For my interest in the method, I made the decision to learn from teachers, professionals working in professional fields related to visual and physical composition.

Today I can say that I am proud of the resolute capacity that I have achieved thanks to my teachers and my luck in the market.

**Title:** Designer. Development manager.  
**Company Name:** Kmsstudio.net  
**Time frame:** Present.  
**Location:** Málaga – Spain.  
**Reason:** Development of KUB and 2Dive as nautical products based on the NC-SiCork composite.

**Title:** Senior Faculty  
**Company Name:** Institut of Advanced Architecture of Catalunya. iaac.net  
**Time frame:** 1 Sep 2018 – 1 March 2019.  
**Location:** Barcelona Area, Spain  
**Reason:** My work in the Open Tesis Fabrication program is to lead groups of students in the design and creation of clay-based composites for the construction of 3D printed architecture, as a solution to housing in refugee camps or catastrophic areas.

**Title:** Senior Faculty  
**Company Name:** Institut of Advanced Architecture of Catalunya. iaac.net  
**Time frame:** September 2016 – Present  
**Location:** Barcelona Area, Spain  
**Reason:** Professor in workshops on the transition from natural to synthetic material in prototyping for industrial design and material expertise in research.

**Title:** Professor and Director at NC&T Workshop.  
**Company Name:** artcont.com  
**Time frame:** Apr 2017 – Present.  
**Location:** Itinerant.  
**Reason:** Workshop about manipulation of natural raw matter for artistic purposes.

**Title:** Designer. Development manager.  
**Company Name:** Km's Studio.  
**Time frame:** Apr 2017 – Present.  
**Location:** Costa Brava.  
**Reason:** KUB, Km's Urban Bungalow, has been designed with a specific construction system to adapt its shape to any environment, from a terrace above a building of a city, to a point of observation of nature, or a floating house located in extreme environments. Based on NC-SiCork composite.

**Title:** Designer. Development manager.  
**Company Name:** Km's Studio.  
**Time frame:** Apr 2017 – Present.  
**Location:** Costa Brava.  
**Reason:** 2Dive is a modular sea kayak, handmade based on NC-SiCork composite. It is planned that with the appropriate accessories it will become a sea skate.

**Title:** Artisan  
**Company Name:** Freelance.  
**Time frame:** Jan 1990 – Jan 2016  
**Location:** Costa Brava, Germany, EUA, Spain, France.  
**Reason:** Modernist Architecture Heritage Restoration and updating the Modernist Methods to Contemporary Architecture. Ornamental mural paintings, wood, stone, fresco paintings, tiles, stucco and other.

**Title:** Art Director / Coach.  
**Company Name:** Freelance.  
**Time frame:** Jan 1990 – Present.  
**Location:** Itinerant. Spain.  
**Reason:** Professional Seminars and Coaching services. For the specialization of image professionals. About 395 students in the context of scenery and architecture and over 1.000 students from different specialities. Physical and digital methods.

**Title:** Illustrator.  
**Company Name:** Freelance.

**Time frame:** Jan 1986 – Present.  
**Location:** Itinerant.  
**Reason:** Still Image, Matte Painting, Illustration and modeling updating traditional methods to digital format.

In addition to various specialized courses, I have learned my trade from professionals of recognized prestige following the pedagogical concept "learning by doing", of which the most relevant are:

**Title:** Illustrator.  
**Company Name:** Discreet official course - Combustion4  
**Time frame:** Jan 2008.  
**Location:** Barcelona.  
**Reason:** Transition from physical visual language to digital.

**Title:** 3D modeller.  
**Company Name:** Official Course Pixologic - ZBrush 2.5  
**Time frame:** Jan 2008 – Present.  
**Location:** Madrid.  
**Reason:** Transition from physical visual language to digital.

**Company Name:** Götz Keitel farbgestaltung.  
**Time frame:** Jan 1994 – Present.  
**Location:** Germany.  
**Reason:** Color psychology applied to architecture.

**Title:** Illustrator.  
**Company Name:** Tim Hildebrandt.  
**Time frame:** Jan 1992.  
**Location:** EUA.  
**Reason:** Two dimensions drawing Studies of shadow, light and perspective and method for film Glass Painter.

## **SKILLS AND COMPETENCES.**

### **Social.**

Learning the artisan trade means knowing the social network of each of the places where we apply the trade and if the context is architecture, the interest is transversal to the local economy. I have worked successfully with several social agents to achieve objective solutions, offering me the opportunity to know in depth the local culture.

### **Organizational.**

Having worked in the past 33 years as an entrepreneur to create unique works has accustomed me to start each organization from scratch because each work imposes a technical and human resources logistics different from the previous one.

I believe that the flexibility of the system favours understanding among all the people involved in the process making logistics, organization, administration and marketing effective.

### **Technical.**

As responsible for the method, I consider it essential to optimize the tools and technical resources to achieve a stable quality over time.

In my work in the Open Tesis Fabrication program at [iaac.net](http://iaac.net), we have worked with all the technological transition from the manual tool to 3D robotic printing and I have been able to demonstrate that the quality and efficiency of a craftsman's manual work surpasses the same work done by robots in the development of an original work, while mass production is the power of technology.

### **I.T.**

Aware of the need to optimize the technological resources that make the method effective, I focus on the robotic help creating the original file that an engineer can use to improve production.

I use Pixologic software (Zbrush) because it allows me to create printable 3D files in addition to allowing me the highest aesthetic resolution.

My company [www.kmsstudio.net](http://www.kmsstudio.net) incorporates a section dedicated to the image that works incorporating specialists according to the need of production and, although I delegate most of the specialities, I know the work with the software that intervene in each project as part of my position as an art director.

### **Artistic.**

Although much of my experience has been developed in the restoration of the modernist architectural heritage, I can consider that more than 95% of my works have been unique pieces or works regardless of whether or not I was the author of the creation. The evolution of the method I have achieved in the last three years

also allows me to work in the creation of small collections using natural raw materials, and to consider that the determining challenge in my evolution as an artist lies in the complexity that the physical context entails. where the work is located, as in marine conditions or extreme dryness.

**Publications.**

Field book "The Matter of Creation. To the artisan." at Amazon.

Joaquim Melchor.