

# KRYPTON

magazine

January 2021



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NUM. 1

**Solutions  
and systems  
at your service**





*More than 20 years offering solutions  
to construction and industry*

Own R&D+i Department

We export to more than 70 countries and we are present all over the world

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

# NEW DECADE, NEW CHALLENGES AND OPPORTUNITIES

Hugo Herault

CEO and founder of KRYPTON CHEMICAL

On January 1st we enter a new decade. It's a good time to reflect on what we have achieved in the last 10 years and try to see the challenges and opportunities that we'll see on the next 10. A decade is an interesting period, as it allows us enough space to make an analysis and forecast from the distance that we cannot have on a yearly basis.

10 years ago, in 2011, we started the decade that now finishes, aiming to survive in an environment that we saw falling around us but without suffering yet the consequences (doesn't it sound familiar?).

Actually, we were very busy between 2009 and 2011 taking advantage of the opportunities that laid ahead of us: development of polyureas, expansion of export sales and especially into Latin America, establishing partnership relationships with similar or complementary companies, etc.

In fact, it was not until 2012 when we suffered a sharp drop in the Spanish market, that we were able to compensate with export sales, keep our revenue levels, and with it the whole team of the company. And that is the key now and always: everyone matters, and we can all contribute!

The last years of this decade have been very productive: we have multiplied the company by 2 in just 3 years. We have crossed the threshold and we are generating more resources with which we can increasingly opt for better and bigger things. The human team of Krypton Chemical (the real asset of the company) is getting more numerous and powerful. We have managed to greatly improve the communication and harmony between us and thanks to this we are emerging successfully from a new crisis that is ending this decade: Covid 19.

For the next few years, we will continue to work with enthusiasm: new products, new factory and facilities, better management of the subsidiaries, new commercial establishments abroad, we may even start production activities in new places or maybe buy other manufacturing or commercial companies.

They say that problems do not reach the one who runs ahead of them. In our case it has been like this in the Great Recession of 2008 and it is being, so far, like this in this new situation (COVID 19). Aspects such as the systematic generation of business opportunities, having more customers and treating them better, improving our production and our business management with efficiency and quality, improving the generation of Cash Flow with which to pay all of the above ... keeps us busy and, so far, immune to crises. Finally, this new mean of communication we launch today (KRYPTON MAGAZINE) will help us to better share information amongst all team members. So, I invite you to join us and give your best in this exciting project that is Krypton Chemical.

Happy new decade!!!







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# Summary

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# A CUSTOMER-DRIVEN COMPANY

At Krypton Chemical we not only develop the products, but we also accompany our customers throughout the construction process



We have been dedicated since 1999 with great passion to the development and manufacture of resins for construction and industry. At our facilities located in L'Hospitalet de l'Infant, Tarragona, we develop and manufacture our polyurethane, epoxy, polyurea and polyaspartic resins for different types of waterproofing, flooring and protective coating projects. As a manufacturer, we not only develop the products, but we also support our customers throughout the whole construction process, so that they can rely on us for advice from technical and product managers.

We are a constantly growing team, with more than 65 people, highly qualified professionals committed to the company and our clients. Our current facilities have more than 4,500 m<sup>2</sup> of building space and we are right now developing the project for the construction of a new site in the same municipality. We have subsidiaries in France, Great Britain, Italy, Egypt and Chile and our products reach more than 70 countries around the world.

## Some reasons to choose KRYPTON CHEMICAL

### **Systems for all needs**

Extensive and ambitious range of products, comprehensive solutions to all customer needs.

### **Own R&D department**

Innovative products and solutions developed from them, including application equipment.

### **Certified quality (ISO 9001)**

Complying with the strictest regulations. CE marking, ETAs,... Consistency and guarantees.

### **Production with dedicated equipment**

Production lines for specific products, avoids cross contamination. Quick response & flexibility.

### **Selection of the best raw materials**

Well connected to key suppliers, proximity to largest Chemical site in Southern Europe.

### **Technical support and assistance**

Technical centres offering training and site supervision. Possibility to do bespoke solutions (product/machinery).

### **Back integration**

Back integrated production of PU resins: flexibility and low-cost position.

### **Extensive international presence and references**

More than 20 years of market presence. Projects executed internationally.

### **Large, still small**

Large enough to aim for excellence. Small enough to take individual care of our people, clients, and partners. We do it for You!.







# A WORLD OF SOLUTIONS

We care about developing innovative solutions for the growing needs of the market and our customers

We develop much more than products, we develop solutions. All our products are specially designed and studied in our own laboratories for professional applications, endorsed according to their uses by independent laboratories in different countries around the world

## WATERPROOFING

Roof waterproofing

Liquid Containment

Waterproofing of concrete structures, bridge decks, foundations, etc.

## FLOORING

High performance systems for industrial floors

Decorative pavements

Flooring systems in commercial and residential areas

Solutions for sports, comfortable floors, and children playgrounds

## INDUSTRY

Coatings for industrial protection (automotive, furniture, blast mitigation, etc.)

Protective Coatings

PU prepolymers

## KRYPTON VALUES

The values that identify us and make us proud

Security at work and respect for the environment

Quality and productivity

Passion for service and customer focus

Innovation and creativity

Respecting individuality, personal development and aim for excellence

# THE IMPORTANCE OF CERTIFICATION

Certificates proof and demonstrate the quality and performance of our products. At Krypton Chemical we have obtained some of the most prestigious international accreditations

Xavier Cros. Chemistry Degree. Product Manager

One of the challenges of Krypton Chemical, S.L. when it began to launch its solutions to international markets, shortly after its creation, was to be able to demonstrate the quality and also the performance of its products. Many times, competing with multi-national companies present in the market since many years. The answer to this challenge was the certification of our systems in external laboratories of recognized international prestige.

This certification effort has been maintained and strengthened to date. The result is that most Krypton Chemical systems reach the market, with a level of certification much higher than the minimum required by current standards (the Spanish Technical Building Code, CTE or the European Regulation 305/2011 for the commercialization of construction products).

An example: The certificate that proves (at European level) that a waterproofing membrane applied in liquid form is suitable for waterproofing a roof is the E.T.A (European Technical Assessment). Previously, E.T.A stood for European Technical Approval). An E.T.A is presented as an extensive document that summarizes all the harsh tests that the membrane has had to overcome in order to be considered a suitable roof waterproofing solution, exposed to the environment. An ETA certificate does not evaluate an individual product, it evaluates a complete system for a given roofing solution. For this well-defined system, including references of materials and product consumption (kg / m<sup>2</sup>), the possible durability of the water-

proofing membrane exposed outdoors is estimated. In the case of Krypton Chemical, S.L. ETA's this assessment is for a severe climatic zone (S), which corresponds to the south of the Iberian Peninsula (in relation to high temperatures and high level of solar radiation). There are also other types of E.T.A's for different projects, for example, for waterproofing bridge decks. In this case, other resistance and performance of the waterproofing membrane must be evaluated.

Valid European certificates are accessible through the EOTA website, the European Organization for Technical Assessment located in Brussels, that verifies and grants them: [www.eota.eu](http://www.eota.eu).

Three of our ETA certificates have been transferred to the British standard (BBA certificate), to reinforce the presence of Krypton Chemical, S.L. in the UK market.

We are nowadays working to obtain an ATG (Belgium's road

authorities' certificate for bridge deck) from our ETAG 033 approval.

In short, this table exhibits one of the greatest competitive advantages of Krypton Chemical, S.L. Few competitors are capable of presenting such a large list of different solutions, all of them with the benefits endorsed by an ETA certificate. The process is dynamic: Changes in regulations, increasing demands from the market, the evolution of competition and the constant launch of new waterproofing solutions ... require continuous reviewing, expanding and, above all, investing in new certificates.

References included	Description	ETE Number
Impermax, Impermax ST, Impermax QC, Impermax Tixo, Impermax A	PU single component	06/0263 for an estimated durability of 10 and 25 years. Roofing
Impermax Cold Polyurea	PUA Cold applied	17/0509 for 10 and 25 years. Roofing
Polyurea Rayston	PUA	16/0148 for 25 years. Roofing
Impermax 2K	Hot spray PU	10/0296 for 25 years. Roofing
Impermax Polyurea H	PUA	11/062 for 10 years. Roofing
Impermax Polyurea H Flex	PUA	16/0149 for 25 years. Bridge decks



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**bre**





# Raúl Fernández

## INNOVATION AND CREATIVITY

Doctor en Química. Director Técnico Krypton Chemical

### - What is the relative weight of each chemical technology in Krypton Chemical's portfolio?

Krypton started with the technology of single -component moisture-curing polyurethane in organic solvent. This technique, together with 2 component polyurethanes, is one of the oldest in the market and is the basis of our Impermax family of products. In the past, it was the main part of our production, but little by little production started diversifying due to evolving market needs and our capacity to satisfy them.

Currently most of the production is dedicated to polyurea products, either pure or as polyurethane-polyurea hybrids, followed, in this order, by single-component solvent based polyurethanes, 2 pack polyurethanes, epoxy resins (both water based and 100% solids), 2 pack water based polyurethanes, and polyaspartic coatings. We also offer a small part of acrylic dispersions.

### - What are the main trends for the future?

From environmental regulations, a clear trend in demand is to claim products that have little or no volatile organic solvent (VOC). To achieve this, there are two ways, one is to use water as a solvent, which is the option of our two-component water based polyurethanes, the second one is to design solvent-free systems, but still sufficiently liquid. The most difficult challenge here is in the single component products, as they tend to have a higher viscosity that makes it harder to apply them, and we are fighting with new developments like Impermax SF. In 2 component polyurethanes this is easier, and in addition, we can take advantage of the enormous

productivity given by polyurea systems, which dry in a matter of seconds. Polyaspartics without solvent combine the two advantages: fast curing, and solvent free.

Unfortunately, polyurethanes are made with isocyanates. These products pose a danger to consumers and coming regulations are limiting their use. Last August, the restriction of use was published, within the framework of the REACH regulation, for all monomeric isocyanates, which consists in the obligation to pass prior training for users of these products. It is therefore to be expected that in addition to the limitation in the use of solvents, there is a tendency to limit the content of monomeric isocyanate to make them safer to use in non-professional environments. Therefore, except when expressly requested, we tend not to do solvent-based developments. On the other hand, there are possibilities of making derivatives that harden without isocyanate that we have not yet developed because their properties are not yet as good as they would be necessary, and our industrial and professional customers can continue to work without being severely affected by the restrictions to isocyanates.

### - What is the % of integration in the products that Krypton manufactures? In other words, how much of the company's turnover is made up of monomers and what part is just a mixture?

Without needing to be exact in the figures, we could say that in polyurethanes, the vast majority of the polymer is synthesized in our factory. In the other large part of the business (Polyurea systems), also half of the volume is made from polymers synthesized by

us, and the other half of the business is made from blending polymers and monomers. In epoxies and the other technologies, we do not do chemical reaction, and therefore, it can be said that we only blend purchased materials, which does not mean that it is not difficult to achieve the exact balance of properties. Often, to get the product with the ideal performance, our own mastering of the reaction to make the polymer is a great advantage. All calculated, we could say that for every 100 kg of Krypton product, about 40 kg are the result of polymerization, that is, starting from monomers.

### - Do you have plans for greater integration in other chemicals that are not currently being carried out in order to continue promoting this competitive advantage?

Indeed, in the segment with the highest volume, polyureas, the reactive component with isocyanate is a mixture of polyamines and we are seriously considering designing a synthesis process for our own consumption from the precursor polyols that allows us to capture the cost margin. This is interesting because they already account an important part of our volume, and are expected to continue growing substantially



# IMPERMAX 2K

Krypton Chemical's greenest membrane



Impermax 2K is a two-component polyurethane membrane with moderate reactivity for the application of elastic membranes with crack bridging capacity. In addition, it is fast curing and solvent free. Therefore, it is ideal for concrete and roof waterproofing works.

Without a doubt, we can define Impermax 2K, as the greenest and most environmentally friendly liquid applied membrane manufactured by Krypton Chemical.

Impermax 2K is formulated with (renewable) raw materials of plant origin, has a certificate of resistance to roots (green roofs) and one of asbestos encapsulation. Its ETA certificate (number 10/0296) accepts as a possible support the use of polyurethane foams of different densities, which allows to improve the thermal insulation of roofs and buildings

**...raw materials  
(renewable) of  
plant origin, has  
a certificate of  
resistance to  
roots (green  
roofs) and one  
of asbestos  
encapsulation**



# **RAYSTON** **MUCH MORE THAN A BRAND**



## **WE DO IT FOR YOU!**

Our Rayston brand includes and embraces all the values of our work: A strong technical knowledge, a lot of patience, so that the result is always the best, and an indestructible commitment to all our customers' projects' and in any phase of them. These are the pillars on which we rely to create our products and develop our systems. Thanks to these qualities we have been able to create a range of polyurethane, epoxy, polyaspartic and polyurea products ideal for your work. All of them under the name Rayston.

More than simple resins for construction and industrial applications, we create complete solutions. This is the key for our customers' projects: that their works and assets benefit from the high performance and long durability of our polymers. Rayston is not only the brand name, for Krypton Chemical it represents all the values that we are also known for.

Behind the Rayston brand you will always find the Krypton Chemical team, working with all their knowledge, enthusiasm, and capabilities in the same direction to satisfy our customers.

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

# THE BEST SOLUTION IN PROTECTIVE COATINGS

KRYPTON CHEMICAL products have been chosen for a new corrosion protection treatment at the Distrito Telefónica marquee in Madrid

Mar Gavira. Product Manager



## BACKGROUND

### Marquee of the Telefónica District, including a field of solar panels.

The painting system for this metallic structure was applied in 2005, a C4VH system according to ISO 12944-5, with a total dry thickness of the system of 240 microns. The structure presented after 15 years, areas suffering from corrosion and damage, with widespread chalking and even flaking of the topcoat layer.

This structure has been repainted with a corrosion protection system from Krypton Chemical, specific for maintenance and preservation works.

## PROJECT DATA

Corrosion protection of the metallic structure of the Distrito Telefónica marquee, located in Las Tablas, (Madrid). Metallic structure made up of reinforced beams with 3 meters of web, located at a height of 30-40 meters, almost entirely exposed directly to the sun and the elements. Lifting means (a lifting platform) have been used to carry out the surface preparation and painting works at height.

Owner: **Telefónica**

Client: **Elecnor**

Applicator: **Litolux**

Surface treated: **138.000 m<sup>2</sup>**



## CORROSION PROTECTION SYSTEM

The coating system chosen for re-painting the metallic structure at Distrito Telefónica.

Primer: in spot areas with intermediate damage

Primer:

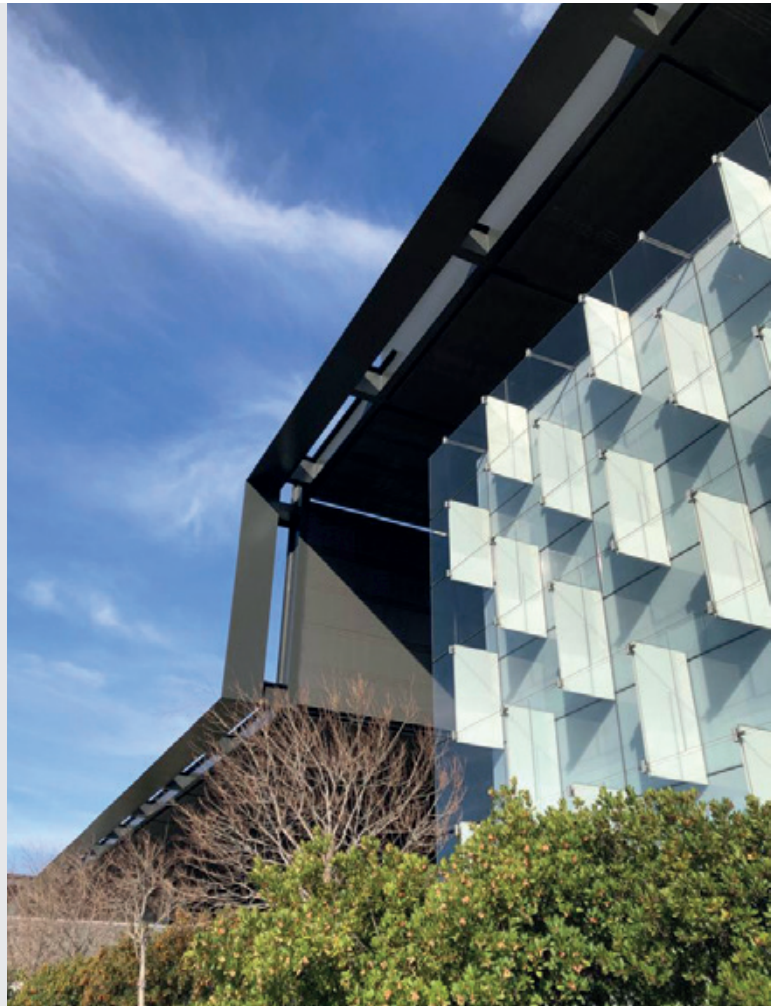
**Rayston Rayforce mastic, 100 micron**

Intermediate layer:

**Rayston Rayforce FD, 80 micron**

Topcoat:

**Rayston AC Top 2k ral 7022 satin, 60 micron**



## PHASES OF THE PROJECT

### 1. PREPARATION OF THE SUBSTRATE

100% of the surface has been washed with high pressure water, removing all badly adhered old paint as well as dirt and traces of chalk. ST3 (ISO 8501-1). Brushing is performed in damaged areas and in rust corroded areas. Before applying any coating, the surface must be clean and dry.

### 2. RAYSTON PRIMER RAYFORCE MASTIC AL

Surface tolerant Epoxy primer pigmented with AL and micaceous iron. Thanks to some special additives, it provides an excellent corrosive protection to areas suffering from rust and corrosion. With great adhesion, preventing these areas from corrosion.

### 3. RAYSTON RAYFORCE FD INTERMEDIATE LAYER

High thickness epoxy. Protection by barrier effect.

### 4. RAYSTON AC FINISH COAT TOP 2K RAL 7022

Two-component flexible aliphatic polyurethane, with anti-corrosive pigments. High impact resistance and elasticity, excellent weather protection. With high resistance to sunlight and UV radiation, and high gloss retention.

Since this project is a refurbishment and a big part of the surface area will be done with the aliphatic polyurethane topcoat directly onto the old coating, it is of great advantage that Rayston's 2k polyurethane contains corrosion protection pigments, that protect the surface.

## LAS ARENAS SHOPPING CENTER

### Upkeep at roof dome area

#### Barcelona

The wooden dome of the Las Arenas shopping centre (an icon of the city of Barcelona) was treated with IMPERMAX STRAT system (Waterproofing + Insulation with PIR panels) in 2010. Since then, the system has worked perfectly, without any ingress of water or leak. However, due to the pollution of the city of Barcelona and the chimneys from restaurants' kitchens in the lower level, the finish had lost its aesthetic appearance, it was obscured by grease and soot. It was decided to give a new maintenance and protection layer (Colodur + Colour Paste), in order to recover the beautiful finish that the IMPERMAXSTRAT system had at the beginning imitating sand (arena) at a bullfighting plaza. In this way it was also possible to extend the guarantee of the materials used in the original waterproofing of the dome.

#### Basic description:

**Location:** Las Arenas shopping centre, Plaza España, Barcelona

**Area:** 4.182 m<sup>2</sup>

**Finish:** Colodur + colour paste

#### About the work:

**Base System:** Impermax Strat

**Maintenance Coat:** Colodur + colour paste

**Type of application:** Cold application



## INFRASTRUCTURES

### Bridge deck waterproofing

#### Madrid

Due to corrosion problems of the concrete's reinforcement mesh derived from poor waterproofing, the main bridge of Colmenar's motorway junction on one of the main ring roads in Madrid (M-40) belonging to the Ministry of Infrastructure had to be demolished. The replacement bridge had to be built as emergency work and it was decided to do the new waterproof using H Flex System from Krypton Chemical, a polyurea-based membrane for use in bridge decks.

#### Data of the work:

Waterproofing of the main bridge of the Colmenar highway junction over the M-40 (Madrid), belonging to the Ministry of Infrastructure.

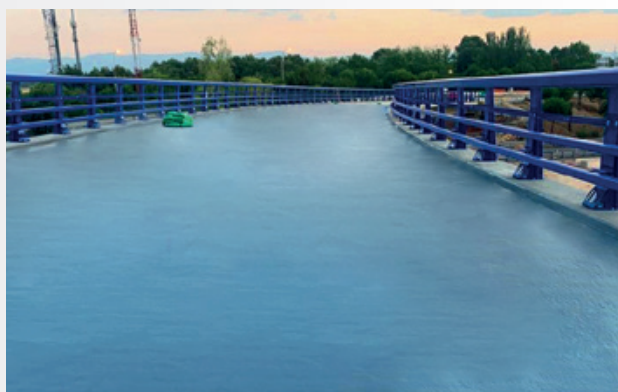
**Builder:** Puentes

**Waterproofed area:** 6.000 m<sup>2</sup>

**System used:** H Flex System

**Main coating:** Impermax Polyurea H Flex, applied by hot spray, using Rayston's Spray Robot.

**Performance:** 1.200m<sup>2</sup>/day





## ROOF AT MERCADONA'S SUPERMARKET Waterproofing

### Zaragoza

This Mercadona supermarket in the city centre had a roof with gravel as the top layer in some areas, and an uneven concrete support in poor condition in others. There were also remnants of other waterproofing repair products. After realizing the cost in time and money to get to a proper substrate, and to avoid affecting the supermarket activities underneath, a non-bonded system was chosen, which also made it possible to avoid costly works in the preparation of the substrate.

This solution is exclusive to Krypton Chemical, S.L., consisting of the extension and anchoring of a special non-woven fabric (NMDC technology), GEOMAX SPRAY 200 and the subsequent application of a continuous Rayston polyurea membrane onto it. This system guarantees the complete tightness of the roof with the creation of an impervious elastomeric waterproofing membrane, totally continuous (free of joints or overlaps).

#### Basic description:

**Location:** Mercadona, Zaragoza

**Area:** 504 m<sup>2</sup>

**Applied System:** Polyurea Rayston Spray System. CE marking according to EN 1504 standard for the protection of structures of concrete. ETA certificate according to ETAG005 (No16/0148)

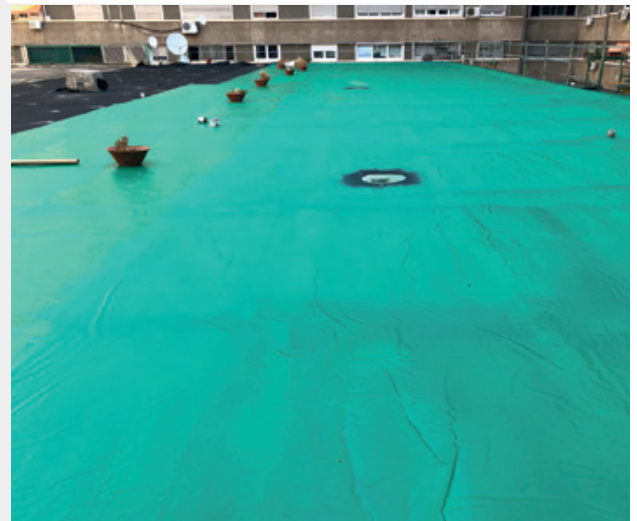
#### About the work:

**Support:** Hormigón

**Geotextile para poliureas:** Geomax Spray 200

**Waterproofing membrane:** Polyurea Rayston

**Type of application:** Hot spray application



## RAILWAY BRIDGES Protection of metal bridge decks

### Latvia

Krypton Chemical's Impermax Polyurea H Flex hot spray application system was used to protect the metal structure of some railway bridges in Latvia

#### Basic description:

**Location:** Railway bridges in Latvia

**Surface:** 200 m<sup>2</sup> + 400 m<sup>2</sup>

**Waterproofing system:** Impermax Polyurea H Flex





# ARENY, A MAGICAL PLACE

In the surroundings of KRYPTON CHEMICAL's facilities, we enjoy authentic natural wonders ideal for visiting, enjoying promenades or small getaways

Ismael Sabaté. Production departament

© Mont-roig Miami Turisme - Jaume Boldú

Areny is a spectacle of nature. The red colour and the unique shape of its rocks make you believe that you are in another planet. At moments you walk on a carpet of soft red sand formed by the wind, which has been eroding this landscape endlessly. You can even enter into a cave, made since millions of years, and you wonder if this place is magical ...

On a clear day it is also a fantastic viewpoint of most of the low land in Tarragona province and the Mediterranean Sea, although KRYPTON space ships have not been seen yet! Nature fills us with an energy that can be compared with nothing. Next time you come visit us, we can go see this wonderful place together!

If we go with children, we must be careful because there are some difficult spots for them!

- **Slope:** About 170 m. approx.
- **Duration:** > 2 hours.
- **Difficulty:** Low.
- **Equipment:** Comfortable shoes, sportswear, always bring some water



© Mont-roig Miami Turisme - Jaume Boldú

## Itinerary

From the public car park at the chapel of Virgen de la Roca we go down the old path that takes from the chapel to Mont-roig. We find the Santiago fountain and just below the chapel, when the path heads directly towards Mont-roig, there is a crossroads where we take Camino de los Carlistas to the left, marked with yellow paint marks. We follow the path for about 1.2 km until we reach a crossroads where we find a signpost that indicates Camino de l'Areny (Las Escaletes, San Ramón, Virgen de la Roca). We take this path that is signalled with yellow paint markings and we will go up to l'Areny through Las Escaletes, a pass where there is a rope to help us climb. Once at the top we will go through a series of caves and viewpoints on the Baix Camp, always following the yellow markings and we will reach some stairs where there is a sign for the Camino de l'Areny. We go down these steps and continue along the path to the Escaleras del Diablo (Devil's Stairs), which we will climb to reach the Cova Foradada (hollow cave). From here we continue along the path to get back to the car park in a short time. Once here, you must visit the chapel of Virgen de la Roca, with a splendid panoramic view over Mont-roig and go up to the chapel of San Ramón.



# THE FUTURE OF THE EMPLOYEE, THE EMPLOYEE OF THE FUTURE



Lluís Oliach

HR Director of KRYPTON CHEMICAL

“A place where we can be more disruptive, enhance teamwork and provide all the tools to turn your involvement into innovation”

Talking about the future is always complicated and, surely, with the times, talking about it makes it even more difficult, but nevertheless when you have clear ideas and well-defined values, the path to reach your goal becomes a little easier.

From this perspective, Krypton Chemical is very clear about the main qualities our team must have to face the next decade, and to achieve this we know that we have to offer personalized and continuous attention and training that goes far beyond the current job position.

To do this, let me anticipate four ingredients that have helped Krypton Chemical to secure a foothold in the international market for resins used in construction and industrial applications during the last twenty years. This can help us improve our future skills, both as individuals as well as employees.

**1) Freedom.** You must be able to question everything and have the freedom and tranquillity to give your opinion in a constructive manner. Proposals for product innovation, improvement in processes or in the management of your department, or of the company in general, must be in our hands.

**2) Generosity.** You must have empathy towards your teammates, helping them grow professionally and personally. Putting above everything the will to help and collaborate.

**3) Cooperation.** Cooperation. It is important to share information and cooperate with the rest of the team. This will help us to be more efficient and productive.

**4) Innovation.** As people we have to continually evolve and react with agility and creativity to what we call the “future”.

For these new challenges that come to us, we need every member in the team to help make Krypton Chemical a place where we can be more disruptive, promote teamwork and have all the tools to turn involvement into innovation.

So, following my own arguments, I take advantage of these last words to freely thank all the people who have generously collaborated and cooperated in the development of this innovative first issue of Krypton Magazine.

# Fidel Rebull Viudez

## TALENT AND SOLIDARITY

Production Department

Fidel Rebull, a member of the KRYPTON CHEMICAL production department, has dedicated many hours and resources to manufacture anti-COVID protection material with his 3D printer for healthcare centres and professionals.

**- What prompted you to carry out these actions? Where did the idea come from?**

I found out through social media that people from all over the world with a 3D printer were needed to help make protective screens and ear protectors for those who were on the front line, health workers. And since I had the necessary means to help those who were helping us, I did not hesitate.

The idea came from a Telegram group where "makers" from all over Spain and even from many other countries collaborate to design a product and produce it on the thousands of printers that we all have in our homes.

**- When did the project and activity start?**

It was all very fast, in March everything started and practically in a day we were already printing. Every day the design was updated, and we immediately began to organize the logistics to collect and deliver the materials we produced to all health centres and professionals.

**- What is the manufacturing process like?**

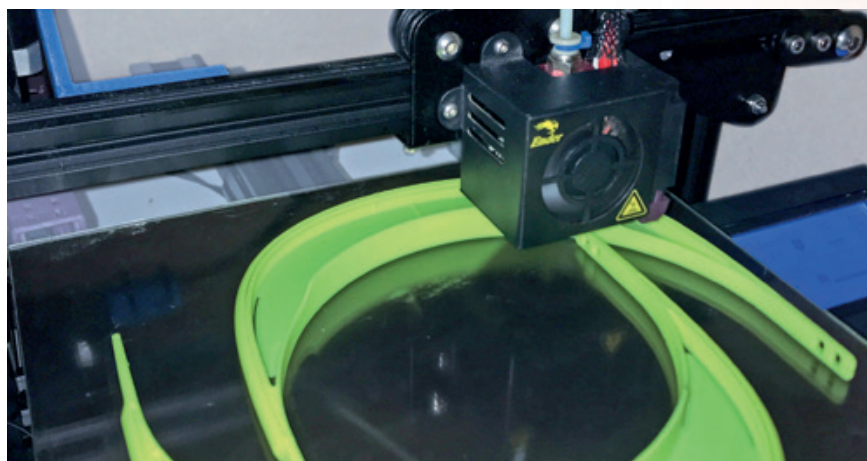
It starts from a digital 3D design on the computer, where it is processed by a laminator that cuts it into 0.2mm layers, we adjust the necessary parameters and enter that information in a pen drive and in the printer itself.

**- How many units have you manufactured and delivered? Where? To whom?**

Between 150 and 200 units have been delivered by me, my wife and other people who came to collect and deliver what "Covid makers" were producing during the state of emergency. We delivered them to health centres, ambulances, local police, civil guard, town halls, supermarkets, pharmacies, ... In total and only in Catalonia 80,000 screens and 18,000 ear protectors were delivered.

**- Have you had many costs?**

At first, we did, but once people found out what we were doing, they helped us by buying raw materials to continue producing, we only used electricity and invested time so that the product came out faster and in better quality.





# KRYPTON CHEMICAL, ALSO FOR SPORTS

At Krypton Chemical we not only develop products, but we also support our partners throughout the construction process

The rubber binder that we manufacture is a resin / glue that is highly appreciated in the market for its binding properties of SBR or EPDM rubber particles in the construction of playgrounds and sports courts and tracks like the one in the image. This system also makes it possible to recycle and give new life to rubber coming from used vehicle tires, which are a serious problem in our society



In concrete sports courts, there is a need to have multipurpose surfaces on which different sports are practiced, usually defined by lines, patterns, and coloured areas of different shades.

These facilities also require high resistance to abrasion, to be non-slip and resistant to UV.

For this reason, Krypton Chemical opts for a solution based on an epoxy primer base, selected aggregates and a water-based polyurethane seal (Colodur ECO), which offers resistance and stability to UV and great resistance to wear. Contact us to find out about all the possibilities and options we offer you





# ***GROWING TOGETHER***



Krypton Chemical products have been tested and proven since more than 20 years in a multitude of worksites, in over 70 countries around the world.

We have presence in all continents, and we continue to grow with our customers, partners and subsidiaries.

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



# QUALITY POLICY

This is our commitment



The senior management of KRYPTON CHEMICAL takes into account the complex and evolving nature of the expectations of its customers, therefore and with this concern for improvement, we declare and assume the following commitments:

1. Implement, maintain and continuously improve the Quality Management System and that it constitutes an integrating and energizing element in the management of the company.
2. Periodically review our Quality improvement goals and objectives to improve the effectiveness of the system.
3. Strict compliance with both legal and/or regulatory requirements and any voluntary rule that we decide to adhere to.
4. Make the contractual requirements, wishes and expectations of our customers the key criteria to establish the pattern of action in the company.
5. Provide the necessary resources to comply with this policy.

In our company, working in the development and manufacture of products based on polymeric resins for liquid applied waterproofing projects, flooring, corrosion protective coatings and industrial applications, as well as the sales and marketing of complementary products, we want:

- Satisfied people who, by promoting our style of RELATIONSHIP AND LEADERSHIP, allow us to stay ahead of the competition, promoting a Project driven towards INNOVATION through SHARED LEARNING, based on OBJECTIVES in each department and processes, with teams of RESPONSIBLE people, whose satisfaction generated by the success of the project and their personal and professional development, allows us to grow in knowledge, experience, and creativity.
- Facilitate the flow of information for the management of processes and services, and increase our know how through the effective application of the appropriate information technologies.
- Guiding customers, identifying them, and getting to know them, both at their environment and during visits to KRYPTON CHEMICAL, to satisfy their individual needs (including compliance with applicable legal requirements), and surprise them by sharing this experience with other people, to promote continuous learning and integration that ensures their trust and LOYALTY.
- A close collaboration with external collaborators based on ethics and efficiency, seeking maximum mutual satisfaction that allows the development of our Strategic Thoughts

If you have any questions or concerns, if you want to be a distributor of KRYPTON CHEMICAL, applicator or customer, we will be happy to assist you!



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# TRAINING TOWARDS SUCCESS

Are you a professional and want to learn  
how to apply Rayston products correctly?

At Krypton Chemical we carry out training  
and courses for customers and other  
interested parties.



More information

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



# LET'S WORK TOGETHER!

“Talent wins Games, Teamwork wins Championships”.

*Michael Jordan*

ADRIA REBULL | ADRIAN VEGA | ANGEL PIÑA | BERTA ESCODA | CARLOS MARRERO | CORI RIPOLL | DANIEL BUSTOS | DARIA SADOVAIA  
| DARIO GILABERT | DIDAC VERNET | EDISON GONZALEZ | EDITH CARVAJAL | ENRIQUE ESPINOSA | ESTHER WELBIE | FIDEL REBULL |  
FRANCESC DIAZ | JAVIER GOMEZ | GEERT VAN MULDER | GURWAN LE ROY | HUGO HERAULT | INGRID COMINO | ISAAC JAREÑO | ISMAEL  
SABATE | JOEL REGALADO | JORDI CARTANYA | JORDI FANDOS | JOSE PAREJA | KEVIN POZO | LAURE BERDOU | LIDIA MARTINEZ | LUIS  
MACAS | EFREN MACAS | M. MAR GAVIRA | M. PILAR ACHIAGA | NATHALIE BRUCATO | NURIA GARCIA | RAUL FERNANDEZ | RAUL JIMENEZ  
| ROGER FERRET | SERGIO CALVO | SERGIO JIMENEZ | SERGIO OLIVER | SVETLANA PODGORNOVA | TANIA OLIVELLA | VICTOR VALLEJO |  
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OLIACH | KEVIN MAS | ALBERT ARRANZ | JOAQUIM SABATE | ANASTASIA TKACHEVA | TOMAS MOLINA | J.LUIS MUÑOZ | MIGUEL MANÉ |  
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