





About Professional Hands Company for Insulation & Construction Chemicals

Established in **2012**, Professional Hands Company leads the way in **specialized insulation and construction chemical solutions**. We're committed to delivering top-tier services and high-quality materials for all your project needs.

Our Expertise

Our strength comes from our **highly skilled engineers and technicians**, who ensure efficient execution and exceptional results. We specialize in advanced insulation techniques, using **polyurethane foam and polyurea**, the latest in insulation technology, for superior thermal, water, and sound insulation. We achieve optimal performance with the **latest American and Spanish equipment**.

We're also proud to be a **distributor for Krypton Chemical - Spain** (www.kryptonchemical.com), a leader in innovative chemical solutions. Explore our products at www.p-insulations.com.

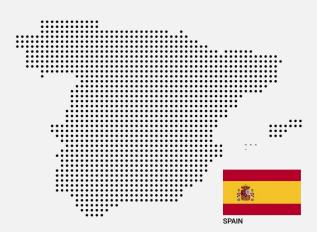




♀ LIBYA

Al-Hawari inside Al-Bunouni Fuel Station 218 Libya - Benghazi

www.p-insulations.com



♀ SPAIN

Pol. Ind. Les Tàpies · C Tarragona

www.kryptonchemical.com

WHAT WE DO?

www.p-insulations.com

8

DEVELOPS PRODUCTS FOR APPLICATION IN THE FOLLOWING FIELDS



- > POLYUREA
- > POLYURETHANE
- > ALIPHATIC
- > POLYASPARTIC
- > HUMIDITY PRIMERS



- > SELF-LEVELING
- > POLYURETHANE
- > STONE SYSTEM
- > EPOXY
- > PRIMERS



- > ZINC RICH
- > POLYURETHANE
- > NOVOLAC
- > TOP COATS



DEAL FOR
INSULATION,
SOUNDPROOFING,
AND CREATING
EFFECTIVE MOISTURE
BARRIERS.



- > WATERPROOFING
- > REPAIR & GROUT



- > FOOD-GRADE EPOXY
- > SEALANT



HOT & COLD APPLIED LIQUIDS



HOT & COLD APPLIED LIQUIDS

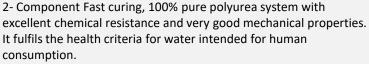
- POLYUREA RANGE
- POLYURETHANE RANGE
- PRIMERS RANGE
- TOP COATS
 - ✓ ALIPHATIC
 - ✓ POLYASPARTIC

www.p-insulations.com





RAYSTON POLYUREA



CE mark according to EN-1504-2 norm for concrete protection. ETA Certificate according to ETAG005 (nº16/0148) & BBA certificate (nº18/5582) for roofing with 25 years expected durability. WRAS certificate according to BS6920 1: 2000 Nº2208579.

















Applications:

- Concrete waterproofing.
 - Seamless liners for secondary containment, gutters, tanks, etc.
- Drinking water tanks as well as wastewater treatment plants.
- Roofing and terraces.
- Car park decks.
- Stadium bleachers.

Protective topcoat is required if the coating is exposed to UV rays to ensure colour stability.

A: Metal container 196 kg & 18.5 kg B: Metal container 220 kg & 21.0 kg













RAYSTON POLYUREA H FLEX

2-Component Highly elastomeric, fast curing, hybrid polyurea system. Contains more than 50% of pure polyurea. CE Mark for bridge deck waterproofing and ETA Certificate according to EAD 030675-00-0107 (nº21/0740).

Impermax Polyurea H Flex Fast is the fast-curing version, recommended for vertical structures or those with a significant slope to prevent resin sagging.

Applications:

- Waterproofing of bridge and viaduct decks.
- Roof waterproofing.
- Car park roof waterproofing.

Waterproofing and protection of structures (concrete, me-tal...), especially those exposed to the exterior. Protection of polyurethane insulating foam.

A: Metal container 203 kg & 18.8 kg B: Metal container 213 kg & 20.8 kg

RAYSTON POLYUREA H FLEX ALUM



This product can only be applied by 2-component spraying equipment.

Polyurea H Flex Alum is version of Impermax Polyurea H Flex that contains special aluminum pigments that give it a better UV stability and colour fastness. No need to apply a topcoat over it





PURE HOT APPLIED LIQUIDS

IMPERMAX 2K













One component liquid waterproofing composition, after polymerization gives an elastomeric, cold-applied low yellowing polyurethane membrane.

The membrane cures in a continuous and elastic form, as a totally adhered layer.

This waterproofing layer guarantees total watertightness and withstands building movements.

Applications:

- It can be used on several types of surfaces (concrete, brick, fibrous cement,
- ceramic tiles, bituminous, steel, zinc, aluminum)
- Balconies, terraces.
- Baths (showers), kitchens and difficult access spots.
- Flooring with light pedestrian traffic.
- Stairs, stadiums, stands

A: Metal container 188 kg

B: Metal container 208 kg

RAYSTON SPRAY D50

Rayston Spray D50 is a 2-component pure polyurea resin, which cures very fast into a hard and elastic membrane. This product can only be applied by 2-component spraying equipment















Applications:

- Water tanks containing aggressive chemicals
- Industrial machinery and vehicle protection

RAYSTON FIRE E

Membrane of an elastomeric nature, with great ability to bridge cracks in the support, applied with a 1: 1 ratio machine in volume, based on a pure polyurea with great resistance to fire and in the event of fire the product will not contribute to the spread of fire. Reaction to fire: Euroclass, Bs2dO.













Applications:

- Protection and waterproofing of structures that require a coating
- with excellent fire resistance: stadium bleachers, etc.





COLD POLYUREA







Membrane based on a two-component, self-leveling, pure aromatic polyurea resin that is solvent-based. Fast curing and highly elastic (ability to bridge over the fissures form the support). Roller applied. Specially designed for flat roof waterproofing.

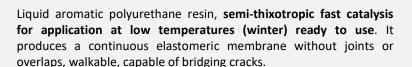
It is always recommended to protect it with an aliphatic top-coat if it is applied exposed outdoors.

Certificates (roofing) ETE nº 17/0509 and BBA (including "blue roof").

A: Metal container 25 kg

B: Metal container 1,5 kg

IMPERMAX QC



Anti-root, with good resistance to abrasion and impact, atmospheric and chemical agents, as well as extreme temperatures. It perfectly adheres to different types of support: cement, old asphalt, acrylic, metal, wood, ceramic, PVC, OSB, etc., and even to rare and difficult geometric shapes.







It does not require stirring before application. It is enough to mix slowly with roller before use.



IMPERMAX LY

One component liquid waterproofing composition, after polymerization gives an elastomeric, cold-applied low yellowing polyurethane membrane.

The membrane cures in a continuous and elastic form, as a totally adhered layer.

This waterproofing layer guarantees total watertightness and withstands building movements.

Applications:

- It can be used on several types of surfaces (concrete, brick, fibrous) cement,
- ceramic tiles, bituminous, steel, zinc, aluminum)
- Balconies, terraces.
- Baths (showers), kitchens and difficult access spots.
- Flooring with light pedestrian traffic.
- Stairs, stadiums, stands



Metal container: 5 / 10 / 25 kg

Metal container: 6 / 25 kg







IMPERMAX AQUA 2K











Solvent-free polyurethane. Totally stable in contact with water, even when submerged. It fulfills the health criteria for water indented for human consumption. It can be used in new construction and refurbishment of:

Water tanks and reservoirs (potable, wastewater...).

- Gutters.
- Fish farms.

Certified and regulated by the Directive 98/83 / CE known as DWD (Drinking Water Directive) for human use and consumption, for the continuous containment of drinking water. Protection and repair of concrete according to Eu-ropean standard EN-1504-2.

A: Metal container 15.3 kg & 3.2 kg

B: Metal container 5.7 kg & 1.3 kg

IMPERMAX AQUA







Water based, single component hybrid aliphatic polyurethane membrane for roof waterproofing. Easy to apply and with a high thixotropy. Once cured, **IMPERMAX AQUA** has higher performance levels than other water-based membranes.

Protection and repair of concrete according to European standard EN 1504-2. Products and systems for the protection and repair of concrete structure. (Ant carbonation coating for concrete).



RAYSTON EPOXY 100







Epoxy resins are excellent adhesive material, very useful as primers for flooring applications. **Rayston Epoxy 100** is a high-solids, low viscosity epoxy system, consisting of 2 pre-dosed components. Depending on the substrate porosity, it can be diluted with Rayston solvent, to improve liquid penetration and adhesion performance.

Rayston Epoxy 100 is a useful product for concrete sealing prior to treatment with waterproofing or seamless resin flooring products. It can be also used for general surface leveling (in combination with quartz granules). Finally, it is also a very good primer for metal substrates that have been prepared properly.

As a primer:

Apply 200 to 500 g/m2 of undiluted product. Other quantities are possible whenused with dilution. Use brush or roller.

On very absorbent substrates, a first coat may be diluted, followed by a second, undiluted coat. Do not apply on hot surfaces.

Use enough amount to ensure complete surface sealing.

On big areas, it is recommended to spread some quartz sand in order to get a rough primer surface, improving the adhesion of the following polyurethane coat.

As a levelling coat: mix with suitable self-levelling sand/filler (50% or 100% sand depending on desired surface roughness. Apply at 2 kg/m2/mm

As an Adhesion layer onto metal or other substrates: 300 to 500 g/m2, followed by light sand broadcasting

A: Metal container 10 kg

B: Metal container 5 kg

HUMIDITY PRIMER







Two-component, water-based epoxy formulation.

Perfect for priming wet porous substrates that will be coated with epoxy or polyurethane systems.

High chemical resistance, and pigmentable in situ. It works as an excellent anti-dust coating on cement flooring or wall treatment. Allows adhesion between the concrete pieces. Can be applied by roller, brush or airless spray.

A: Metal container 5,2 kg 1,4 kg

B: Plastic container 12.8 kg 3,6 kg

Tecnocem









Tecnocem is a cementitious epoxy system for use as a support preparation layer, composed of epoxy components and inorganic reactive fillers.

A: Plastic container 9.62 kg

B: Metal container 2.88 kg

C: Paper sack25 kg



PU PRIMER



This primer provides a better adhesion on difficult/non porous smooth dry surfaces. It doesn't form a film.

Do not apply on dirty, damp or wet supports, or supports stained with.

Applications:

From -18ºC up to 55ºC.

With no dew point restrictions, at high relative humidity up to 99% With no restriction on the maximum recoating interval.

As primer for waterproofing system.

Metal container 4 L (3,8 kg) , 9 L (8,8 kg), 20 kg



COLODUR











Single component aliphatic polyurethane resin that, once cu-red, forms a continuous, hard, elastic and flexible coating with excellent mechanical, chemical (wastewater, salty water...), UV and outdoors resistance. Very good scratch and wear resistance. It can be either supplied colorless or colored (standard reflective white and grey similar to RAL 7001, semi-gloss appearance). Alternatively, the colorless version can be pigmented in situ with suitable color pastes (see PU Pigments) when a small amount of specific coloured resin or a large due date of the resin is required (gloss appearance).

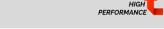
Applications:

Protective topcoat for liquid-applied waterproofing membranes (always pigmented). Can be applied on roofs, balconies, terraces, stadium stands... with heavy pedestrian traffic and on parking decks with light vehicular traffic. It can be applied with a roller, brush, or airless machine (in this case, pigmented). It can be combined with anti-slip additive or aggregate to achieve non-slip finishes.

It is also suitable as a protective finishing layer for liquid containment structures (continuous immersion).

A: Plastic container Colourless: 11.7 kg 3.1 kg Pigmented: 12.5 kg 3.3 kg B: Plastic container Colourless: 3.3 kg 0.9 kg Pigmented: 2.5 kg 0.7 kg

KRYPTANATE 100













Solvent free, aliphatic, two component Polyaspartic system. Its slow reaction allows hand mixing and application, but the curing time is much shorter than with two component polyurethane systems.

Provides multilayer flooring in combination with coloured Quartz Sand and decorative flakes.

Applications:

Fast curing even at low temperatures. Good adhesion. High mechanical properties and resistance. Non yellowing.

High thickness coatings can be achieved in only one pass.

PAINTCHLORE 2K



Two-component acrylic polyurethane hybrid resin, highly cross-linked with an aliphatic isocyanate, that once cured, forms a continuous coating, with excellent mechanical, UV, outdoors and chemical resistance (salt water, chlorinated...). Resistant to continuous immersion in water, even chlorinated. Always supplied colored. When cured, a hard coating with a shiny appearance is obtained.

Protective topcoat for liquid-applied waterproofing membranes (always pigmented) in conduction and containment projects, with salty or chlorinated water. A minimum of two crossed layers has to be applied to ensure complete coverage of the previous coat. Chlorine being a powerful bleaching agent, there is a risk that Paintchlore 2K supplied in colors other than white will change its color in continuous contact with water with excessive concentration of chlorine.



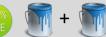
KRYPTANATE 100 LV











Kryptanate 100 LV is 100% solids, low viscosity two-component, polyaspartic system that, opposite to usual polyurea systems, has a gel time and a curing speed slow enough to allow manual application, while retaining a curing time still shorter than usual two-component polyurethane systems. Kryptanate 100 LV is delivered colourless or pigmented. Main applications include flooring and multilayer combinations.

Applications:

Main applications include flooring and multilayer combina tions. Fast cure even at low temperatures. Good adhesion. Hard and resistant. Good weathering resistance. Thick layers possible in a single application.

COLODUR ECO



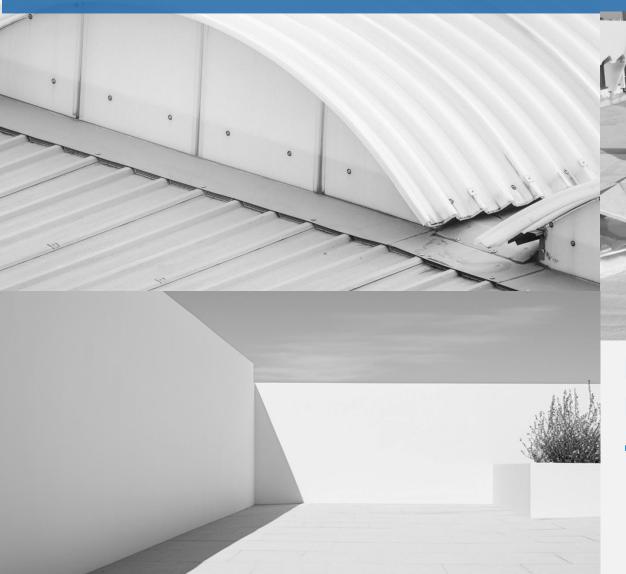
Water-soluble two-component aliphatic polyurethane resin that produces a hard and flexible coating at the same time.

Brilliant aspect: High resistance to abrasion and chemical agents. Excellent protection of the surface in floors subject to intense wear. Does not yellow when exposed to UV rays. Suitable for indoor and outdoor use, as well as in public areas.

Available in clear or pigmented for finishing:

- Garage flooring, parking areas with heavy traffic.
- Microcement, artistic pavements.
- Cement, epoxy and polyurethane pavements, cement-ba sed self-leveling mortar.

POLYURETHANE FOAM SPRAY



POLYURETHANE FOAM SPRAY

Rayston Spray Foam W50

www.p-insulations.com





Ralston Spray Foam W50



Rayston Spray Foam W50 (A) Polyol / Rayston Spray Foam W50 (B) Isocyanate is a two component B3 fire rated polyurethane rigid closed cell spray foam. It is a fully water blown system and in compliance with 0 ODP and 0 GWP environmental regulations. Rayston Spray Foam W50 has been designed for thermal insulation in construction applications with an applied density of 55 -60 kg/m3



CONSTRUCTION CHEMICAL BUILDING MATERIAL



CONSTRUCTION CHEMICAL BUILDING MATERIAL

- FLOORING
- CEMENTITIOUS
- ADDITIVES AND SURFACE IMPROVEMENT
- REPAIR & GROUT

www.p-insulations.com





RAYCRETE SL (SELF-LEVELING) - Highly resistant cementitious polyurethane

Cementitious polyurethane system for applications where thermal shock resistance is needed chemical resistant. Three liquid components (A+B+pigment) and one mineral filler. Raycrete SL is supplied non-pigmented, available in different colours.

Applications:

- Food industry.
- Food processing facilities. Kitchens.
- Pharmaceutical and chemical industry.
- Vehicle maintenance, electroplating and any area of heavy use.

PAVISOFT - Flexible self-levelling polyurethane flooring resin

Self-levelling, 100% solids polyurethane resin which provides a flexible resilientand resistant coating for indoor application.

Solvent free. Good resistance to abrasion and scratching. Requires aliphatic top coat (eg Colodur eco). Ideal for comfort flooring applications and asphalt rebur bishment.

Applications:

5Homes, halls, offices, bars / restaurants, rooms in hospitals / clinics /nursing homes, commercial areas, car park refurbishment (product can de applied directly to asphalt pavement). Comfort flooring solutions..

PAVISTONE 2K

Aromatic, two component polyurethane resin. Economical and fast curing. Ideal for binding aggregates for seamless, smooth and decorative floors. The finish can be porous or semiporous, depending on the used aggregates. Aromatic product. It yellows when exposed to UV rays, and is, therefore, best to mix with dark aggregates. (Brown, beige, dark grey).

USES

Tree pits Paths, ramps, roads, bike lanesand foot bridges. Garden decoration Pedestrian areas, theme parks and par king zones. Commercial areas and offices.



PAVISTONE 2K UV

Aliphatic, two component polyurethane resin. Stable to UV rays. It's used to bind natural stone in order to obtain a smooth, modern and tough floor, which requires low maintenance. The finish can be porous or semiporous, depending on the used aggregates. The surface finish is a seamless, flexible and crack resistant floor. Aliphatic pro-duct. UV stable.

Can be used with clear aggregates. Same applications Pavistone 1K HV. Hard and fast curing.

SOLVENT





EP NIVEL

Self-leveling pigmented epoxy coating for surface protection . Allows obtaining self-leveling flooring 2-3 mm thick in one coat. Suitable for concrete floors exposed to intense use in all kind of indoor areas. : Can be completed with up to 33% of mineral filler. one part of resin: 0,5 of aggregate 0,1 - 0'3 mm

Applications:

Designed for applications in dry zones. Usable on wet zones if sand is broadcasted on top. Smooth, glossy finish and easy to clean. Best suited for:

- Industrial flooring.
- Poorly ventilated areas.
- Parking decks.
- Warehouses.



CEMENTITIOUS www.p-insulations.com

Rayston 170 ELASTIC - Elastomeric waterproofing coating for concrete structure



RAYSTON 170 Elastic A cement base, 2 components, polymer modified high elastic waterproofing slurry. It is applied to concrete and mortar structures to prevent water infiltration. RAYSTON 170 Elastic complies with the requirements of [EN 1504-2] as protective coating.

Colors: Grey / White

Paper Bag 20 KG - Jerrycan 5 KG

USES

- Waterproofing and protection of external walls to be buried below ground.
- Internal waterproofing against hydrostatic water
- pressure of walls and floors in basements and other below ground structures.
- Waterproofing of terraces and balconies on concrete and old tiles substrates.
- Elastic coating of precast concrete surfaces, subject to flexural loading and vibration, etc.

Rayston 170 - Acrylic-Reinforced, Cementitious, Waterproofing, Flexible Coating for Concrete and Masonry

A cement base, 2 component polymer modified waterproofing slurry. It is applied to concrete and mortar structures to prevent water infiltration.

Colors: Grey / White

Paper Bag 22.50 KG - Jerrycan 7.50 KG

USES

- Water treatment facilities.
- Waterproofing basement and cellars.
- Terraces and balconies.
- Bridges & Sea walls.
- Retaining walls & for sealing "hairline" cracks in concrete structures not subject to movement surfaces.
- Swimming pools and waterproofing of drinking water tanks and reservoirs.

Rayston Crystal Proof - Epoxy Primer, Leveling Sealer, Intermediate Layer, and Mortar Screed

The **Rayston Crystal Proof** waterproofing coating ensures the total and permanent solution to water leakage, ingress, or seepage in concrete structures or any cementitious substrate.

The formation and development of insoluble crystals into waterbearing capillaries and interstitials effectively block the further passage of water and ensures permanent water tightness for the life of the structure.

It complies with ASTM C-39, 78, 1202, 666, 494, 1585, 1012, 579. CRD C48-92. EN 1542, 12390-8. NSF 61, DIN 1048.

USES

- Water tanks/towers
- Reservoirs/Swimming pools
- Planters & Green roofs
- Water treatment works
- Dams and Canals & Harbors
- Basements
- Tunnels
- Inspection pits
- Foundations
- Retaining walls



Rayston Latex - Water Resistant, S.B.R Bonding Emulsion and Mortar Additive

Rayston Latex is a modified styrene butadiene emulsion. Due to its polymeric action, mortars containing Rayston Latex have superior adhesion, good compressive strengths and considerably improved flexural and tensile strengths. In addition, Rayston Latex mortars have greatly reduced water permeability, improved resistance to chemicals and to abrasion; are Non-Toxic and non-corrosive. Rayston Latex mortars possess excellent freeze thaw resistance coupled with resistance to long term water immersion.

Jerrycan 20 KG Jerrycan 5 KG Tin Drum 200 KG

USES

- High strength floor screeds.
- Repair mortar for patching and filling.
- For filling and patching mortars that require thin layerfinishing.
- For tile adhesive systems.
- For producing floor screeds with enhanced freedom from 'dusting', but with improved flexibility and resistance to cracking.
- For bonding Slurry between old and new concrete.
- Suitable for use in cement mortars in contact with drinking water.
- Bond Strength (ASTM-C-882)

Rayston Form Oil W - A Water-Based form Release Agent

Rayston Form Oil W is a ready to use, low viscosity, chemical release agent for all types of concrete formwork. It reacts with the alkalis in water at the interface of the concrete and formwork to produce a thin film of lime soap that prevents formation of any bond between concrete and formwork, enabling the easy striking of formwork.

Jerrycan 20 KG Tin Drum 200 KG

USES

- Rayston Form Oil W is suitable for application on all
- surfaces that are required to be protected from adhesion
- of cement, such as:
- all types of formworks.
- wheelbarrows, trowels, buckets and other
- construction tools.
- window and door frames before plastering.

Rayston Cure 2 - A Polymer, Water-Based, Concrete Curing Compound

Rayston Cure 2 is a solvent-free, polymer, water- based emulsion, suitable for spray application to freshly poured concrete. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. Membrane-cured concrete is typically harder and exhibits a dust-free surface with a reduced incidence of drying shrinkage cracks.

USES

 As a more effective and economical alternative to Hessian, water and polythene curing regimes. Suitable for use on all concrete surfaces.

Jerrycan 20 KG Tin Drum 200 KG



Rayston Brace CF - High-Strength, Non-Flow, Epoxy Bedding and Repair Mortar

Rayston Brace CF is a moisture tolerant, thixotropic, structural 2 component adhesive and repair mortar, based on epoxy resins and special fillers for use at higher temperatures between +25 °C and +45 °C.

Tin Pain 1L [0.667 KG] + Tin Pail[0.5L (0.333 KG] Tin Pail 5L [3.333 KG] + Tin Pail 3L [1.667 KG]

USES

As a structural adhesive and mortar for:

- Concrete elements
- Hard natural stone
- Ceramics, fiber cement
- Mortar, Bricks, Masonry
- Steel, Iron, Aluminum
- Wood
- Polyester, Epoxy
- Glass
- Fixing of steel rebars.

As a fast-setting rapid repair adhesive and mortar:

- Corners and edges
- Holes and void filling
- For vertical and overhead use

Joint filling and crack sealing:

Joint arris repair and crack sealing

Rayston Brace Adhesive - A Polymer, Water-Based, Concrete Curing Compound

Rayston Brace Adhesive is a solvent-free, two-component, bonding agent, based on selected epoxy resins.

Tin Pail 5L [3.333 KG] + Tin Pail 3L [1.667 KG]

USES

- Rayston Brace Adhesive provides a bond of far greater strength than the tensile strength of the concrete itself. Therefore, it is suitable for use wherever structural bonding of new toexisting concrete is carried out.
- Rayston Brace Adhesive can also be used as a bonding agent on: mortar, steel, iron etc.



Rayston Grout 50 - High strength, non-shrink, cementitious construction grout

Rayston Grout 50 is a ready to use product in powder form, which requires only on-site addition of water to produce a nonshrink grout of predictable performance.

Paper Bag 25 KG

USES

Rayston Grout 50 is formulated for use at plastic or flowable consistency, and may be used with confidence for bedding, grouting and void filling operations.

Rayston Grout 66 - Non-Shrinkage Micro Concrete for Concrete Repair and Filling Under Base Plate

Rayston Grout 66 is a one component, free-flowing, high strength, cement based micro-concrete with a maximum aggregate size of 10 mm. Suitable for use in tropical and hot climatic conditions.

USES

- Rayston Grout 66 is used for the structural repair of deteriorated concrete. It is ideal for casting sections or members where the volumes required are too large for conventional grouts, and too small and inaccessible for normal concreting applications. A typical application is the re-profiling of damaged concrete members, using formwork. Also suitable for grouting and precision application such as:
- Bridge bearing plates.
- Machine bases.
- Mechanical bridge joints.
- Anchor bolts.
- Crane rails.
- Suitable for base plate grouting where thickness exceeds 50 mm

Paper Bag 25 KG

Rayston Fine Repair Grout- Cement-Base, Polymer Modified Fairing Coat

Rayston Fine Repair Grout is a cement-base, single-component, polymer modified silica fume containing, moisture resistant, and surface applied mortar for horizontal and vertical concrete surfaces. It can be fortified with alkali-resistant glass fibers and properly structured with non-metallic aggregates selected for hardness and strength to produce a mortar with excellent compressive, tensile and flexural strengths. It can be used up to 5mm thick.

Rayston Fine Repair Grout fairing Coat is also used as a leveling mortar prior to the application of protective coatings and paints.

USES

Rayston Fine Repair Grout is designed to surface, repair & level concrete substrates as in:

- Prepacked fairing coat for leveling new and old surfaces prior to coating.
- Residential & commercial buildings.
- Filling blowholes and surface blemishes.
- Basements & foundations.
- Tunnels.
- Brick works and other types of masonry.

Paper Bag 25 KG



Rayston Repair Grout - Multi-Purpose Patching and Repair Mortar

Rayston Repair Grout can be used for the cosmetic or structural repair of deteriorated concrete and mortar. **Rayston Repair Grout** can be used on exterior or interior, horizontal or vertical surfaces.

USES

- Repair of concrete.
- Resurfacing defective or damaged areas.
- Concrete waterproofing and protection.

Rayston Flex 1 - Multi-Purpose Patching and Repair Mortar

It is a versatile one-component, Silyl-terminated polyurethane sealant with a low modulus for sealing building joints. It cures with atmospheric moisture to form a durable rubber seal. Rayston Flex 1 special grade is designed for sealing joints in airports runways, terminal ramps, hangers, transportation storage areas and other areas where the various fuels and liquids may come into contact with sealant after curing. It complies with the following standards: ISO 11600 F-25 LM, DIN 18540 & ASTM C920, Type S, Grade NS, Class 25, use T, NT, O, M, G, I, ASTM C719, 794, D 412, D2240

USES

- Expansion and joint sealing to precast concrete, brickworks, and masonry.
- Parameter and curtain wall sealing.
- Glass, glazed surfaces, aluminum, steel, stainless steel & plastics rubber seal.
- UPVC and painted wood sealants.
- Concrete Flooring.
- Transportation storage areas.

Cartridges of foil pack 600 ml.

Rayston Protect PW - CHEMICAL RESISTANT, HIGH BUILD, SOLVENT FREE RESIN BASE EPOXY PROTECTIVE COATING.

Rayston Protect PW is a two component, solvent free, nontoxic epoxy coating with outstanding mechanical and chemical properties.

Therefor it is suitable to use in areas where contact with potable water

Therefor it is suitable to use in areas where contact with potable water storage tanks as **Rayston Protect PW** does not support the growth of bacteria, and could be used where hygienic requirement is needed such as food & beverage and pharmaceutical fields.

USES

Rayston Protect PW may only be used by experienced professionals.

- Could be used on both concrete and steel surfaces.
- As internal lining for tanks, silos and mills.
- Drinking & Potable water contact.
- Water treatment plans & Sewage works.
- Food processing plants.
- Agricultural enterprises.
- Pharmaceutical facilities.
- Hospitals.
- Oil refineries.
- Anti-corrosion coating on steel in chemical facilities as a gas
- and vapour barrier.
- Power stations.
- Sugar manufacturing plants.

Plastic Pail 18L [16 KG] + Jerrcan 5L [4 KG]

Rayston Epoxy Grout - High-Strength Epoxy Flowable Grout

Rayston Epoxy Grout is a high-performance non-shrink, epoxy grouting material for support and precision of heavy equipment to ensure the proper transmission of static and dynamic loads to the equipment foundation

3 Component A+B+C Package (28KG)

USES

Rayston Epoxy Grout is a three-component system which includes a two-part epoxy resin and carefully blended aggregate.

- Rayston Epoxy Grout provides excellent resistance to creep.
- High compressive strength, modulus of elasticity.
- Excellent resistance to cracking.
- Good adhesion to steel and concrete.
- Excellent for use with machinery & dynamic loading that's creates vibration
- Rayston Epoxy Grout is resistant to oil, synthetic lubricants, water and most chemicals, and cures quickly which means equipment can return to service much sooner.

Rayston Zinc Rich - One Component, Zinc-Rich Epoxy Primer

A one-component epoxy primer, modified with zinc to provide protection against corrosion for steel and iron structures.

Tin Pail 1L Tin Pail 5L

USES

 As an anti-corrosive primer directly applied on prepared metal surfaces in industrial and marine areas.

Rayston Zinc Rich 2 - Two Component Polyamide Cured Zinc Rich Epoxy Primer

Rayston Zinc Rich 2 is a two packs cold curing zinc rich epoxy primer and is designed as an anti-corrosive quick drying wieldable primer for various paint systems. It can be over-coated after short intervals.

Tin Pail 1L [0.90 KG] + Tin Pail 0.25L [0.10 KG] Tin Pail 5L [4.50 KG] + Tin Pail 1L [0.50 KG]

USES

- Excellent adhesion to steel.
- Easy to use pre-weighed pack.
- Excellent rust inhibiting properties.
- Excellent adhesion between reinforcement bars & concrete.
- Resistant to water & weathering.
- It gives Cathodic Protection to steel.
- Resistant to mechanical wear.





KRYPTON PROLINE NE 500



ProLine NE500 is a high-solids, two component, polyamine cured, phenolic /novolac epoxy coating for use as an internal tank lining. ProLine NE500 is specifically formulated to provide exceptional corrosion protection in aggressive liquid environments.

Application:

- High chemical and mechanical anticorrosive resistance for both steel and concrete in contact with chemical compounds, especially hydrocarbons and in continuous immersion.
- Thermal resistance with dry heat up to 200°C.
- Immersion resistance up to 100°C...

KRYPTON PROLINE MFE 100



Anticorrosion primer or intermediate. Two component high solids multifunctional epoxy. Surface tolerant with high adhesion to the substrate and providing high corrosion protection even with poor surface preparation.

Suitable in salt and freshwater immersion and corrosive chemical environments. Suitable with water jetting. Excellent abrasion resistant. For medium, high, ver high corrosivity environment C3, C4 and C5 as in immersion. Excellent for maintenance and repairing. Up to 300 microns per coat.

Corrosion protector of:

- Steel bridge structures.
- Industrial steel structures.
- Bins and hoppers.
- Pipes.
- Rail way carriages.
- Power transmission towers.
- Tanks and steel storage vessels.

KRYPTON PIPE AF

RAYSTON PIPE AF is a coating recommended for combustible storage tanks coating. Its main properties are:

- Good chemical resistance.
- Excellent resistance to fuel oil, jet fuel and ballast water.
- Suitable for aviation fuel storage tanks, according to El 1541 Norm.
- Suitable for immersion service, up to 60 °C.
- Thermal resistance up to 120 °C (dry heat).

Application

RAYSTON PIPE AF is recommended for industry in general and for the marine, as an anticorrosive protection coating for the interior of pipes and fuel storage tanks, non-potable water, ballast water, fuel oil and other petroleum products, at high temperatures, not exceeding 60 °C.



PROLINE CH 55

















Pure polyurea membrane formulated to provide excellent chemical and moisture resistance for submersion applications.

The dense but flexible nature of the finished lining is ideal for impact and abrasion resistance. Once cured it forms a continuous and seamless barrier with high impact properties. Very low permeability to Radon, Methane and Carbon Dioxide gases. Very low permeability. High puncture and compression resistance.

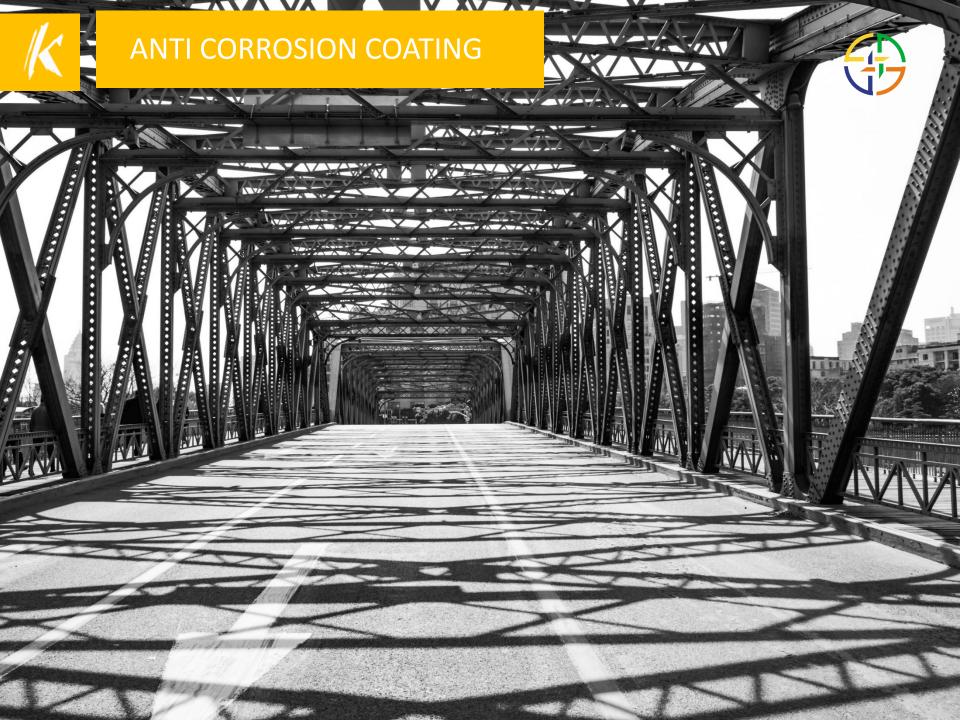
CE mark according EN 1504-2 norm for the protection of concrete structures. Certified system C5H according to ISO 12944-6:2018.

Applications:

- Lining of tanks containing chemical and / or high solids liquids.
- Lining of secondary containment bunds subject to chemical leaks.
- Pipe linings, culvert linings.
- Blast mitigation.
- Pipe coating for below ground applications including in soils with high moisture and chemical content.
- Above ground pipe coating applications subject to sand abrasion.
- Reinstatment of leaking concrete tanks or substrates subject to movement.

A: Metal container 196 kg 18.6 kg B: Metal container 220 kg 21 kg

Component C (pigment paste) Metal can (4 kg or 0.4 kg)





KRYPTON PROLINE AC MIO Polyurethane coating with micaceous iron oxide (MIO)





One-component, moisture-cure polyurethane priming and inter mediate coating with micaceous iron oxide (MIO).

Grey, Beige, Matt

Corrosion protector of:

- Steel bridge structures.
- Industrial steel structures.
- Bins and hoppers.
- Pipes.
- Rail way carriages.
- Power transmission towers.
- Tanks and steel storage vessels.

KRYPTON PROLINE PU 1000 TC











Is a one component, aliphatic polyurethane, that cures upon reaction with atmospheric moisture. ProLine PU 1000TC provides a hard yet flexible protective coating with good abrasion, scratch and weather resistance.

ProLine PU 1000TC provides high resistance against common chemical agents and excellent, colour fast UV surface protection for use over aromatic coating and waterproofing systems. Easy to apply one component product.

Applications:

- Colour fast, UV and chemical protection topcoat of steel surface in anticorrosion systems.
- For structures in medium, high, very high atmospheric corrosivity categories (C3,C4 Y C5- ISO 12944-2:2018).
- Protective UV topcoat for cold or hot-applied waterproofing membranes (pigmented version).
- Protection of outdoor wood surfaces.
- General outdoor use.

PROLINE PU ZN PRIMER

Single pack, moisture-cure, fast drying polyurethane anticorrosion primer filled with zinc and micaceous iron oxide (MIO).

Provides cathodic (galvani) and barrier long term protection of steel surface.

For structures in medium, high, very high and extreme atmospheric corrosivity categories (C3,C4,C5 and CX) ISO 12944 2:2018 and immersed.

Included in certified system C5H according ISO 12944 6:2018.

Application:

- From -18°C up to 55°C.
- With no dew point restrictions, at high relative humidity up to 99% With no restriction on the maximum recoating interval.
- As primer for waterproofing system.



KRYPTON PROLINE SILVER TC Polyurethane coating filled with aluminum pigment





Topcoat and primer coating, single pack moisture curing polyurethane coating filled with aluminium pigment. Provides excellent resistance to atmospheric influence and abrasion, to UV and colour stability and improves anticorrosion and barrier properties. It can be applied as single layer coating.

Applications:

- From -18ºC up to 55ºC.
- With no dew point restrictions, at high relative humidity up to 99%.
- With no restriction on the maximum recoating interval.

For structures in medium, high, very high and extreme atmospheric corrosivity categories (C3,C4,C5 and CX) ISO 12944-2:2018.

PROLINE PU AL PRIMER Polyurethane anticorrosive primer filled with Aluminum and micaceous iron oxide (MIO)

One-component, moisture-cure polyurethane primer/sealer coat with aluminum and micaceous iron oxide (MIO) pigments. Surface tolerant

Applications:

- At subzero temperatures down to -18°C.
- At high relative humidity up to 99%.
- With no dew point restrictions.
- With no restriction on the maximum recoating interval.(*)
- To minimum surface preparation to grade St2 (ISO 8501-1).
- As a sealer coat for non-ferrous metals and galvanized surfaces.

Please consult Provides:

High adhesion, anticorrosion and barrier properties due to aluminum and micaceous iron oxide (MIO) pigments





EP COAT F





Pigmented epoxy coating for general surface protection in food-contact environments.

Certified after Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

Applications:

Designed as a general-purpose product for food industry, from multilayer systems to topcoat applications.

- Floors.
- Food tanks.
- Food industry floors.

Type 1 for simulants A, C and D2. Type 2 for vertical applications wherever a simulant Type E (Tenax) is required. Check technical data sheet.

POLYURETHANE SEALANT

Polyurethane sealant MEDIUM modulus. Adheres to aluminum, glass, masonry, wood, etc.

Applications:

Waterproofing interior / exterior masonry, carpentry, expan sion joint, filling cracks and flexible adhesive.

POLYMER SEALANT

A flexible material made from long chains of synthetic or natural polymers, designed to fill gaps, joints, or cracks to prevent the passage of fluids (like water or air) or solids. They remain elastic after curing.

Applications:

Sealing tanks, pipes, and equipment, often for chemical resistance



CERTIFICATIONS

To Guarantee the Durability and Stability of Our Products and Systems, we have a Long List of Certifications, Based on Tests Carried Out in Several Independent Laboratories Around the World.

































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Pure resin of Pure Polyurea





Product approved for contact with drinking water



Pure Resin of Hybrid Polyurea



PERFORMANCE High performance product



1-component resin



Contains Renewable Raw Materials of Vegetable Origin



High elasticity product



2-component resin



Product with sun reflective properties, proven through tests or due to its colour. Reduces overheating of a building.



Radon gas barrier



Product without solvent and/or with low VOC emission



Methane Gas Barrier (CH4)



Anti-carbonation barrier



2-component resin large format



Product with chemical resistance



+P Pigmented color on order



Fast curing product





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we do it for you.









