

FOR A MODERN INDUSTRIAL IRAQ

Company Profile



LeycoChem Leyde – Iraq



Al Ruwad LeycoChem Leyde - Iraq
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Introduction

LeycoChem Leyde is a worldwide leading manufacturer of concrete additives and modern building materials. In the past, Leyde products were produced in Iraq and had a good reputation with a big market share in the construction business. However, production stopped in the 1990's due to the political circumstances that took place then.

We are proud now to announce that a new joint venture company, LeycoChem Leyde Iraq, has been established and a wide range of Leyde products is being produced now in Iraq. This will contribute significantly in the rebuilding of the nation by ensuring the highest German standard products are readily available in the country.

We are proud to be at the forefront of nation building by offering construction related materials that will ensure quality which will benefit not only our generation but the generations to come.

LeycoChem Leyde Products:

- **Concrete Admixtures**
- **Water- Proofing Systems & Membranes**
- **Sealants**
- **Specialty Mortars**
- **All types of Cracks Repair**
- **Epoxies**
- **Modern Roof- Tiling system**
- **Rubber Water Stops, Expansion Joints, Bridge Bearings and Pads**
- **Foam Concrete Agent and Generator**
- **Other new construction materials**

High Quality Products: are assured by our company by using:

- The best possible raw materials
- German designed and built plant and machinery
- German trained workforce
- Professional, internationally trained management
- Fully equipped on-site laboratory to guarantee the highest possible standard
- Complete transfer of technology from Germany to Iraq
- Full certification provided with all products

Value Added Services: which include but not limited to:

- Recommending ideal solutions for individual customers whenever needed
- Offering specific products manufactured to meet and exceed specifications
- Short lead-time of delivery (if products do not need to be imported)
- After-Sales services which includes (consultation, supervision, maintenance...etc)

Customer Support

Along with our in-house consultants who work with customers at their premises to optimise solutions, we offer Service Centres in the following locations:

- Baghdad (Operational)
- Erbil (Operational)
- Basrah (Operational)

German Advanced Concrete Technology

التكنولوجيا الألمانية المتطورة للخرسانة

BETONAC®

Concrete and Mortar Admixtures
Mortar Plasticizer
Concrete Plasticizer
Concrete Super Plasticizer
Retarder for Concrete and Mortar
Waterproofing Agent
Air Entraining Agent

BETONAC®

مضافات الخرسانة والملاط
ملدنات الملاط
ملدنات الخرسانة
ملدنات خرسانية ذات فعالية عالية
مبطئات لتصلب الخرسانة والملاط
مواد عزل الماء
مضافات لعمل فقاعات هوائية في الخلطة الخرسانية

LEYCO®-BOND

Construction Bonding Agents

LEYCO®-BOND

مواد رابطة للخرسانة

LEYCO®-POX

Epoxy Resin for Repairs
Anti-Acid Coating and Flooring

LEYCO®-POX

مواد معالجة ايبوكسية
طلاء مضاد للاحماض وطلاء الأرضيات

LEYCOPLAST®-AC

Acrylic 2-Component, UV-Resistant
Seamless Waterproofing

LEYCOPLAST®-AC

مادة أكريليكية (من مركبين)
مقاومة للأشعة فوق البنفسجية وعازلة للماء

LEYCOPLAST®

Liquid Applied Rubberized Bitumen
Waterproofing Membrane

LEYCOPLAST®

مطاط قيري سائل للعزل المائي

ZETOLAN®

Mold Release Agents
Concrete Machine Protection

ZETOLAN®

مواد مساعدة لفتح القوالب
حماية آليات الخرسانة

CURASIN®

Concrete Curing Compounds

CURASIN®

مواد معالجة الخرسانة

LEYCO®-CEM

Building Adhesives, Concrete Repair and Lining
Products

LEYCO®-CEM

مواد أنشائية لاصقة لاصلاح الخرسانة
ومنتجات التبطين

LEYCO®-GROUT

Non-Shrink Grouting Products

LEYCO®-GROUT

منتجات تحشية غير قابلة للتقلص

ZE-KA-FIX® BETONAC-FIX®

Concrete Remover & Concrete Etching Products

ZE-KA-FIX® BETONAC-FIX®

مزيل الخرسانة العالقة وترسباتها

LEYCO® -SLICK

Concrete Pump Line Primer

LEYCO® -SLICK

مواد تسليك خطوط الضخ الخرسانية

LEYCO®-SEAL

Multipurpose Sealants

LEYCO®-SEAL

لواصق متعددة الأغراض

البيكوكيم
بغداد العراق
beal
LEYDE
LeycoChem

Concrete Additives (Admixtures)

BETONAC® – BVF High Range Water Reducing Super Plasticizer Concrete Admixture

ADVANTAGES:

- ❖ **Speed construction** - increased workability speeds handling, filling of formwork and placing around congested reinforcement. Labour times reduced to a minimum.
- ❖ **Increased strengths** - without increase in cement content or reduction in workability.
- ❖ **Improved quality** - reduces shrinkage by lower w/c ratios. Denser, closer textured concrete for improved durability and surface finish. Bleeding and segregation minimized.
- ❖ **Easier pumping** - lower pumping pressures prevent clogging and reduce friction in the pipeline.

BETONAC® – BVP High Range Water Reducing and High Extended Workability Super Plasticizer Concrete Admixture

ADVANTAGES:

- ❖ **Easy pumping** - Improves workability and cohesion. It also provides protection against delays and stoppages
- ❖ **In-situ piling** - Easy removal of formwork and avoidance of cold joints
- ❖ **Workability** - Virtually self-compacting and self-leveling properties. It speeds placing of concrete and construction works
- ❖ **Improved cohesion** - Reduces bleeding and segregation where poor sand grading are unavoidable
- ❖ **Cement saving** -Typically in the region of 10% to 20% and can be higher depending on aggregate and cement used

BETONAC® – BVP1 High Range Water Reducing and Retarding Super Plasticizer Concrete Admixture

ADVANTAGES:

- ❖ **Easy pumping** - Improves workability and cohesion and extends setting time. It also provides protection against delays and stoppages
- ❖ **In-situ piling** - Easy removal of formwork and avoidance of cold joints
- ❖ **Workability** - Virtually self-compacting and self-leveling properties. It speeds placing of concrete and construction works
- ❖ **Improved cohesion** - Reduces bleeding and segregation where poor sand grading are unavoidable
- ❖ **Cement saving** -Typically in the region of 10% to 20% and can be higher depending on aggregate and cement used

BETONAC® – BVS Water Reducing High Range-Super Plasticizer and Retarding Admixture

ADVANTAGES:

- ❖ **Easy pumping** - improves workability and cohesion and extends setting time. BETONAC®-BVS also provides protection against delays and stoppages.
- ❖ **In-situ piling** - easy removal of formwork and avoidance of cold joints.
- ❖ **Workability** - virtually self-compacting and self-levelling properties. Speeds placing of concrete and construction works.
- ❖ **Improved cohesion** - reduces bleeding and segregation where poor sand gratings are unavoidable.
- ❖ **Cement saving** - typically in the region of 10% - 20% and can be higher depending on aggregate and cement used.

Flooring Epoxies

LeycoChem Leyde Iraq offers a wide range of epoxy flooring material used in hospitals for the operation rooms (anti-static floorings), ammunition storage areas....etc. It is waterproof based and has high resistance to chemicals and hydrocarbons, it is also high resistant to penetration and scratching. Our epoxy topping is self-leveling and comes in a wide selection of colors depending on the customer's choice.



New Construction Materials

Leyco-Tile / Tile Foam:

An insulating element consisting of 5 cm extruded Styrene layer and 1 cm topping of high strength special mortar to bear a load of 6000 kg/m². Leyco-Tile, does not absorb water, does not rot and is ideally used for inverted roofing. Leyco-Tile is used together with Leyco-Plast, a liquid cold applied material which after, drying forms a highly elastic, crack bridging and non-aging membrane. Leyco-Tile is loosely laid over the membrane, one next to each other and the work is done.



The extraordinary Leyco-Plast:

A liquid applied Rubber-Latex-Asphalt waterproofing membrane with the following characteristics:

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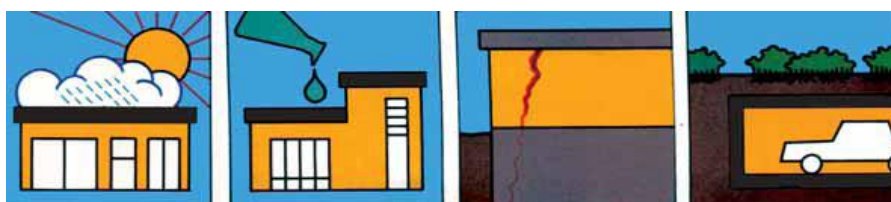
LeycoChem LEYDE GmbH Germany

- Leyco-Plast is a thixotropic emulsion which is cold applied on vertical and horizontal surfaces
- Leyco-Plast forms a highly resistant, seamless and elastic membrane after evaporation of water
- Leyco-Plast adheres to dry and sound surfaces of concrete, plaster, masonry, roofing felt, asphalt coatings, and metals. Adhesion is dependent on time and weather
- Leyco-Plast does not become brittle, and when dry, is resistant to damp and water
- Leyco-Plast resists temperatures from (-26° C) to (100°C)
- Leyco-Plast has an excellent long-term ageing stability, above-average weatherproofing qualities, and a high resistance to UV radiation. Its most striking property is its high expansion and contraction (900%) properties, i.e. the ability to bridge surfaces subject to hairline cracking
- Leyco-Plast is applied manually or by spraying after applying a layer of Leyco-Tekt 1 or Leyco-Tekt 2 as a primer coat.

Leyco-Plast is:

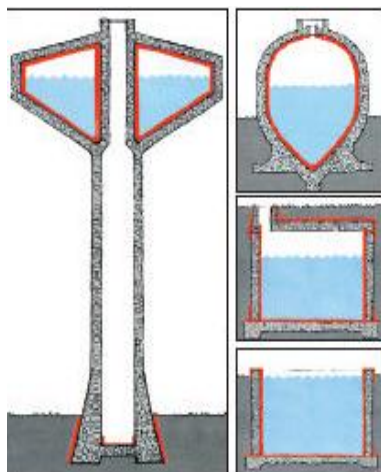


- I. Liquid for manual and spray application
- II. Cold applied
- III. Flame resistant
- IV. Resistant and elastic at high and low temperatures



- V. Resistant to UV-Radiation and aggressive pollution

- Accepts non frequent foot traffic.
- Vapor permeable whilst repelling water, allows substrate to breath.
- High resistance to Carbon Dioxide and Chloride ion diffusion.
- Unlike conventional coatings which require 7-28 days of concrete curing, Leyco-Plast AC can be applied to 24 hour-old concrete thereby giving immediate protection.
- Color compatible with the host concrete.
- Can be applied to damp concrete.
- Sprayable using a hopper gun.
- Suitable for permanent sunlight exposure after curing.
- Non-toxic, ideal for potable water uses.



Your solution to isolate your structure!!!

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Leyco
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beal
LEYDE
wamyqochay7
LeycoChem

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LeycoChem LEYDE GmbH Germany

Cleaning and Maintenance Materials

The revolutionary Leyco-Slick:

The cleanest, quickest and easiest way to prime a pump, increases pump capacity, and reduces pressure in concrete pumps and pipes. This product is available in 230 g. water soluble pouches.

ADVANTAGES:

- Clean and easy preparation of the primer. In just 5 minutes the equivalent primer is ready, as opposed to lugging sacks of sand and cement
- Superior concrete pump capacity
- Minimizes wear and abrasion of concrete delivery pipes
- Outstanding time saving produces enhanced transport efficiency
- The risk of "Stop" and "Block" is reduced to virtually (nil)
- Cuts down the maintenance cost of concrete pumps and pipelines
- Environmentally friendly and is not harmful to Concrete like Chlorides
- It can be used on any concrete pumping equipment



Approved products for cleaning and maintaining truck mixers and concrete pumps

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LeycoChem LEYDE GmbH Germany

Under this category of products, Leyde offers: ZETOLAN - MEK, ZE-KA-FIX, and Betonac- FIX 2

The truck mixers and concrete pumps cleaning agents work on 3 distinct parts:

- A. The Driver's Cab: To remove the usual dirt from the driver's cab, probably cement dust and film.
- B. The Drum: As a rule, the drum is dirty with a crust of concrete, traffic film and grease, especially in the area of the running ring.
- C. The Rear: The back of truck mixers, as well as the chute, the wheel arches and the chassis can be covered with concrete splashes and cement crust.



Before



After

Your equipment will love the treat. Don't you?

Waterstops, Expansion Joints, and Bridge Bearings

LeycoChem Leyde Iraq is the sole representative of 3 German companies specialized in manufacturing a wide range of waterstops, expansion joints, and bridge bearings all produced in accordance with the German high standards.



BESAPLAST

Since 1971, BESAPLAST has been successfully producing and distributing waterstops in around 8000 different types of special purpose profiles. It is their goal to fulfill special customer requirements with their long years of experience and own tooling department. Special fittings, either welded or vulcanized, are produced according to the requirements of each customer. Due to the expansion of the shipping and storage department, the customer's needs and orders can be processed even faster. (Please ask for BESAPLAST catalogue available at LeycoChem Leyde Iraq)

DEFLEX

For more than 50 years, DEFLEX is known to be one of the most specialized designers, manufacturers and distributors of joint systems (wall and ceiling profiles). Due to the high-quality of materials, their joint systems are being installed worldwide and enjoy great reputation. From wall-profiles, seismic-profiles, field limitation joints up to joints for special purposes, DEFLEX is offering a big assortment which copes with all situations. DEFLEX customers enjoy best information and perfect solutions for individual situations anywhere at any time. (Please ask for DEFLEX catalogue available at LeycoChem Leyde Iraq)

GUMBA

Since more than 50 years, GUMBA is internationally well known for being an expert for bridge-bearing systems. GUMBA's products are always up to date due to working in accordance with the high standard requirements in Germany. At GUMBA, engineers and technicians help you with their knowledge and practical experience to find the appropriate product for your individual situation. GUMBA is in great demand for complicated bridge projects because of its willingness and capability to design new bearings if none of the products out of their wide range is suitable. (Please ask for GUMBA

catalogue available at LeycoChem Leyde Iraq)

Cellular Lightweight Concrete (CLC)

NEOPOR

Another German company which Leyde LeycoChem represents in Iraq .NEOPOR System GmbH/Germany has been on the world-wide market with CLC (Cellular Lightweight Concrete) for more than 40 years and responsible for the construction of well over 600.000 apartments and houses, as well as schools, hospitals and commercial buildings in over 70 different countries, utilizing NEOPOR equipment, foaming agent, fibers and of course NEOPOR technology.

Buildings cast up to 40 years ago are evidence for the well aging of CLC, using the same "ingredients" as in conventional concrete, namely sand, cement and water (gravel is large sand) and air, which is responsible for thermal insulation and weight reduction, embedded in our organic and stable foam, which solely serves as wrapping medium and has no chemical reaction. Therefore CLC on its achievable level offers the same behavior as convention concrete. As long as exposed to humidity in the atmosphere it will increase its mechanical properties (e.g. strength) infinitely.

Using only sand, CLC preserves natural resources such as gravel and clay, both running short in many parts of the world and as in the case of clay even being prohibited from use for building components in an increasing number of countries (e.g. China) already.

Natural resources are also preserved substantially by the high insulation properties of CLC, considering that it offers 500 % and more insulation than conventional concrete in a wall of the same thickness. (Please ask for NEOPOR brochure available at LeycoChem Leyde Iraq)



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