



*We protect your investment!*

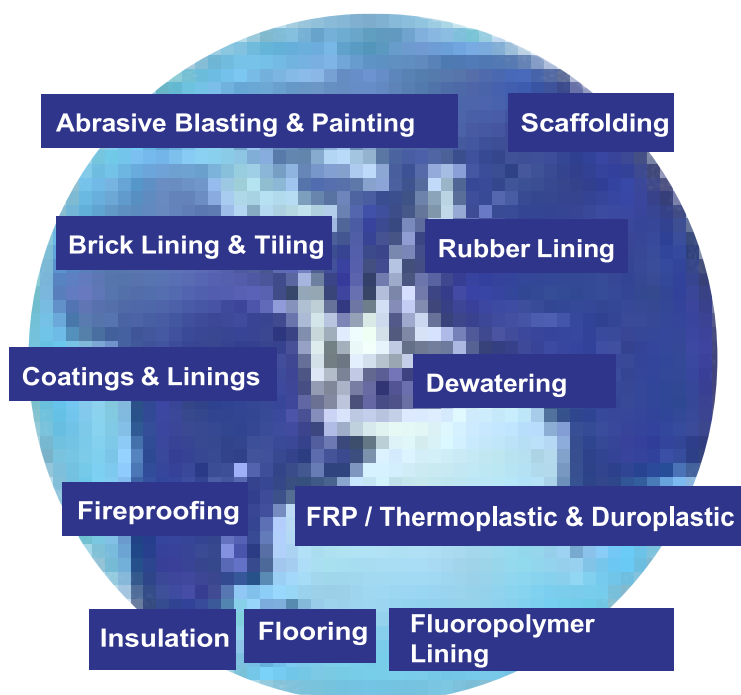
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## Organization

**ACORTEC** is well established and equipped with a team of qualified and experienced managers, engineers, supervisors, quality controllers, quantity surveyors, safety inspectors/officers and technicians including abrasive blasters, spray painters, industrial painters, decorative painters, scaffolders, flake lining/fiberglass lining applicators, FRP and GRP applicators, intumescent and intumescent epoxy and light weight cementitious fire proofing as well as Fluoropolymer Lining (PFA, PTFE) applicators for new constructions and maintenance of all types of plants.

For the realisation of the projects we provide the services of engineers, technicians and assistants with professional experiences in the field of surface protection between 10 and 30 years.



## Our Mission

- We protect your investment.
- We serve the market for corrosion protection. Our products and technologies protect against all highly aggressive media with leading quality and value.
- We understand our customer's processes and were able to offer an optimised material solution and application expertise.
- We solve our customer's corrosion problems by applying "systems", "components", and "materials" to the specific problem in a leading response time and reliability.

## Supplies and Services

- Organization and coordination of complete site activities by qualified fitters & supervisors.
- Supply of materials.
- Supply of complete equipment for site activities.
- Acclimatization and illumination equipment, tools, On-site workshop, Storage containers, etc.
- Application of materials by qualified personnel Blasting and surface cleaning services.
- Scaffolding services.
- Quality control measures.

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## Abrasive Blasting & Paintings

It is a method of material cleaning at various standardized levels which we provide in an on-site or at our workshop using Garnet, Coal slag, Copper slag, steel Grit, Glass beads and Aluminum Oxides and all other abrasives as required.

### It provides:

- Removal of impurities.
- Removal of corrosions.
- Removal of other coats, old coating/ paints.
- Anchoring surface providing, i.e.
- surface roughening and enlargement.
- To expose the aggregates on concrete panels/walls.



### In addition ACORTEC provides:

Wet Abrasive Blasting and Vacuum Blasting and Automatic Blasting using Wheelabrator Machines using Steel Shots and Chilled steel Grit.

### Painting:

Basic protection of steel structures are paints which are applied to external and internal surfaces. We usually select well known and approved paint materials from suppliers/manufactures available in the Kingdom of Saudi Arabia, in the Middle East Region and from the international market at large as per client's specifications requirements and availabilities.

Following the surface cleaning (applying a properly chosen method) and impurities removal, we apply the selected painting specifications. In the course of application, system in several layers as per we continuously follow climatic and technological conditions.

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## Brick Lining and Tiling



**ACORTE C provides application of Brick Lining and Tiling.**

**Bricks and tiles will be used for:**

- Protection against chemical, mechanical and thermal stresses.
- Additional protection of coated or surfaces.
- Main materials: mortars and ceramic/carbon tiles and bricks.

**Clients–Industries are:**

- process vessels in chemical industry
- pulp and paper industry
- steel industry
- food industry
- floor areas exposed to severe mechanical or chemical stresses

**Acid P roof Materials:**

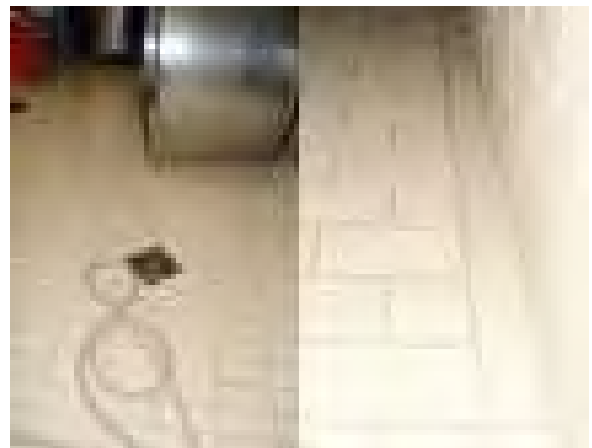
- Ceramic/Carbon tiles
- Ceramic/Carbon bricks
- Moulded ceramic bricks, foundation slabs, etc.

- For loads caused by hydrofluoric

acid or lye silicate-free materials lined (e.g. carbon or graphite bricks and tiles) are used

**Mortars for Brick Linings:**

The semi-finished product (tiles, bricks) can be laid by bedding and jointing (filled joints) or simply by bedding (empty joints). If the tiles/bricks are laid by bedding the vertical joints can be filled using a mortar based on a different material.



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## Coating & Linings

**ACORTEC** provides application of various types of coatings and linings for steel as well as for concrete surfaces.

Different methods of applications are applicable:

Trowel applied coatings using filler materials to protect against several chemical and mechanical exposure.

Spray applied coatings with/without fillers (e.g. glass flakes) and laminate Linings with glass fibre reinforcement on the basis of

- crack-bridging capability (concrete substrate)
- physiological safety clearance
- derivation ability for electrostatic charges



- Epoxy resins (EP)
- Unsaturated polyester resins (UP)
- Vinyl ester resins (VE)
- Furane resins (FU)
- Phenolic formaldehyde resins (PF)

**Characteristic features are:**

- Continuous chemical resistance and impermeability
- Continuous thermal resistance
- Continuous mechanical stability under load
- adhesion to the substrate (steel, concrete)
- resistance to ageing
- anti-skid properties and facility of decontamination



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## Fireproofing

**ACORTEC** undertakes to carry out all types of Fireproofing regardless of project size for all Hydrocarbon and Non-Hydrocarbon facilities using Intumescent paints, Intumescent Epoxies and Light weight Cementitious Proofing as per British Standards, European Standards, ISO Standards, SASO Standards and Saudi Aramco Engineering Standards in accordance

with UL Approvals and manufacturer's recommendations.

At **ACORTEC**, we have well-trained and experienced managers, staff and workers certified by all national and fire international material manufactures to carry out the works with full satisfaction of Customers/owners.



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## Flooring



Flooring based on various materials:

- Epoxy resin (EP)
- Unsaturated polyester resin (UP)
- Vinyl ester resin (VE)
- Polyurethane (PU)
- Acrylate resin (PMMA)

Properties of Synthetic Resin Materials (Coatings):

- Chemical resistance and impermeability

- Resistance to atmospheric corrosion and ageing stability
- Mechanical and/or thermal tolerance under load
- Crack-bridging capabilities
- Physiologically non-hazardous
- Electrically discharging
- Antiskid properties and facility of decontamination
- Visually pleasing appearance
- Reduce shrinkage strain, decrease heat of reaction
- Increase physical properties such as tensile strength, diffusion density
- Regulate electric conductivity

Auxiliary materials:

- Set-up agents (PE-fibres, silicon dioxide)
- Pigments
- Paraffin
- Additives (e.g. de-foaming agents, exhausters, dispersing agents)
- Inhibitors



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## Fluoropolymer Lining

A fluoropolymer lining will be installed in such cases where a “normal” organic lining will not resist against the operating conditions.

The characteristics of a fluoropolymer lining are outstanding chemical resistance, compatibility to both high and low temperatures, high pressure ratings and corrosion resistance.

**ACORTEC offers a wide range of fluoropolymer lining such as:**

- Modified PTFE (e.g., TFM)  
Polytetrafluoroethylene
- PFA, Perfluoro Alkoxy
- PVDF, Polyvinylidene fluoride
- E-CTFE, Ethylene  
Chlorotrifluoroethylene
- FEP, Fluorinated ethylene propylene



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## FRP/Thermoplastic & Duroplastic



### Supplies and Services:

- Supply of detail-engineering for fabrication of pipes (isometric and fabrication drawings)
- Supply of raw materials (carbon-/ stainless steel)

- Fabrication of complete piping systems
- Supply of gaskets, pipe supports, etc.
- E-CTFE, Ethylene

Chlorotrifluoroethylene

- FEP, Fluorinated ethylene propylene

## Insulation

**ACORTEC** has acquired the capabilities to undertake all types of Insulation Pipelines, tanks, and process equipment. To satisfy the customers the best available technology,

**ACORTEC** is equipped with very highly qualified staff, workers and machineries fulfill its contractual obligations in carrying out the scope of work as per project specifications. Addition of insulation activities are as a part of our multi-disciplinary services provided to the industries for protection of owner's

assets, health of employees and public in the vicinity and the works for environment at large to protect the mother earth as per internationally with recognized safety standards.

We at **ACORTEC** believe in building to strong and lasting relationship with national and international customers and the institutions starting from design, fabrication, supply, installation and maintenance of the insulation projects and the plants



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## Rubber Lining



**ACORTEC provides application of on-site rubber lining with...**

**pre-vulcanized soft rubber** based on high-quality rubber types and mixtures that cover a great diversity of applications in environmental protection and in the process industries.

**ACORTEC** supplies these pre-vulcanised rubber lining systems complete with a bonding layer, which enables them to be used on all steel or concrete substrates. An outstanding is their extremely high chemical, mechanical and thermal resistance. They are applied with the proven two-component bonding systems in a cold-curing process.

**self-vulcanizing soft rubber lining systems** are suitable for use in environmental protection and in process industries where the greatest chemical, thermal and mechanical resistance is demanded. The bonding systems enable their use at operating temperatures of up to

120° C. These bonding systems are distinguished by their great bond strength. According to their formulation self-vulcanizing soft rubber linings vulcanize at ambient temperature after being applied at the construction site.

**Non-vulcanised hard rubber lining systems** (steam or water) are based on high-quality synthetic and natural rubbers of the most advanced kind. They are suitable for applications in the process industry at temperatures of up to 125°C. After application, the hard rubber lining systems are vulcanised in the autoclave, although special formulations of some materials allow on-site vulcanisation with hot water or steam.

The rubber lining systems used are based on various types of caoutchouc, e.g. Chloroprene (CR), Bromo butyl (BIIR), Natural Rubber (NR) and many more.

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## Scaffolding

Construction and plant maintenance in Oil & Gas and Petrochemical sector requires the highest levels of quality and safety that can only be achieved through technical expertise and professionalism.

**ACORTEC** has a reputation for safety and quality within the Kingdom's industrial plants and refineries which allows it to be the first choice for any contract scaffolding requirement.

All aspects of a scaffolding contract are managed in a single fully integrated package which is tailored to suit the needs of the client. **ACORTEC** takes responsibilities for all areas of the

contract, from initial planning, design, safety and quality through to the final hand over after completion.

Over 200 highly trained staff are ready to service your specific project need, whether it is for emergency repairs, term maintenance, planned shutdowns or construction projects, we are ready to respond speedily and efficiently 24 hours a day.

The Design Department has evolved with wealth of knowledge and experience in the industry, keeping abreast of new technology to keep the division ahead of its game with innovative design strategies.



## Dewatering

We have formed a separate Dewatering division with the name of **Acortec Pumps**.

Well point Dewatering is a simple, efficient method of temporarily lowering the ground water table in a localized area to accomplish the construction of a foundation, pipeline or any other below ground structure.

The system consists of a series of small wells called well points installed around the excavation and connected to a manifold or "header pipe" which is connected to a well point pump.

This well point pump is designed to handle the water as well as entrained gasses found in the water. The entire system affects only the area of the construction site and has minimal effect on water quality.



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## Reference Letter



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## Reference Letters



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## Reference Letters



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## Contact us

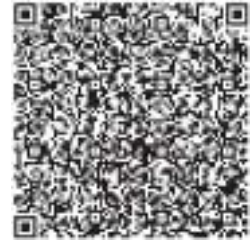


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