

BRICKS, PAVING, CERAMICS, PLASTICS

We have excellent connections to manufacturers of anti-corrosive paving, bricks, graphite and carbon bricks, refractory and special ceramics, plastics and cast basalt and other non-wear products extending to cleaners and special tools. This puts us into an excellent position to cover all your anti-corrosion and protection needs from one source.

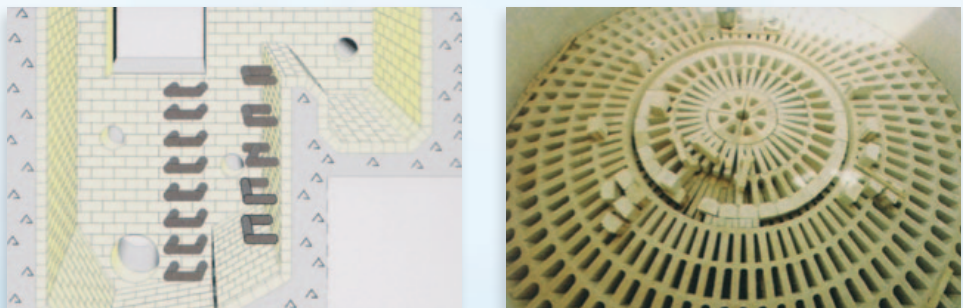
› Paving stones



› Bricks



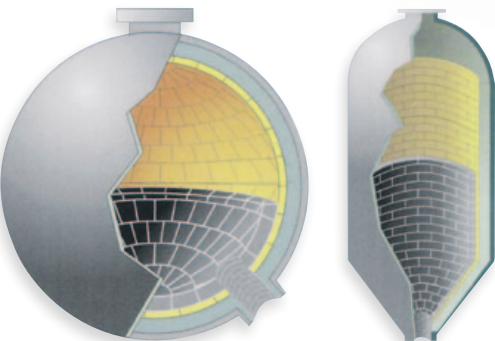
› Ceramics



› Plastics



› Cast basalt



› Cleaners, special tools, utilities



INDUSTRIAL SPECIALITIES REQUIRING CORROSION PROTECTION

Corrosion protection systems combine property and environmental protection. We deliver for facilities, buildings and constructions at risk from aggressive chemicals and other influences.

Our materials give you sealed, dust-free, hard-wearing, and easy-to-clean surfaces. This goes beyond the heavy chemicals industry, where you will find most of our engineers and technicians, to many other industries.

Metal-processing	Chemicals	Electrochemicals	Papers and pulp	Textiles	Foods and beverages
Electroplating Pickling Degreasing Hot-dip galvanisation Detoxification	Inorganics Fertilisers Coatings Intermediates Pharmaceuticals Petrochemicals	Zinc and copper electrolysis Light-metal production	Paper manufacturing Groundwood Pulp stock chests Pulp catchers Dyeing plants	Natural fibres Synthetic fibres Artificial silk Rayon Bleaching plants	Sugar production Tinned food manufacturing Dairy processing Meat and fat processing Breweries Fruit-juice processing Soft-drinks manufacturing

Printers Offset	Power plants	Refineries	Waste water treatment	General environmental protection	Chemicals trading
Etching Plating	Power plants Nuclear power Coking Battery rooms Water treatment	Collecting vessels Neutralisation facilities Dosing stations	Detoxification plants Neutralisation plants Sewage facilities Acid storage	Special refuse disposal Incineration	Spillage containment Filling stations

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UNIVERSAL  
CORROSION  
PROTECTION  
SYSTEMS





# CRS CHEMICAL PROTECTION

Our business concept: chemically resistant systems combined with years of experience in working with corrosion-proof materials.

Our field of activity: protecting buildings and plants from aggressive chemicals, preventing their uncontrolled escape into the environment, protecting hazardous substances.

We will not offer magic solutions or any single process to cover all eventualities. We will develop an individual solution for each individual case. The simple fact that every situation requires a specific solution means that we are free to use any materials - whether we have developed them or not - in CRS Chemieschutz projects. First, we will recommend the suitable technology; then we will work with you, our client, on selecting the best material for the job.



## “WE SUPPLY STAFF EXPERIENCED IN CORROSION PROTECTION”

We are as versed in implementation as we are in consultation. We would be pleased to provide you with an on-site supervisor, or supply you with a complete corrosion protection solution after consultation.

## “WE WILL TELL YOU WHAT CAN BE DONE”

After discussing the situation you need resolved, reviewing the chemical, thermal and mechanical demands to be met by an ideal solution, and visiting the site to assess the local circumstances, we will recommend the type of protection needed and the material to be used for it.

We will apply the many years of experience we have gained in corrosion protection and our know-how in long-term behaviour of materials along with the latest developments in techniques for working with these materials.

## “WE KEEP IT SAFE”

The materials and complete services we provide will not only protect your buildings and plant, but will also help you meet environmental protection regulations. We will continue to support you after delivery or completion. Your personal consultant at our company - an experienced engineer - will still be there for you.

# COATINGS AND LAMINATES

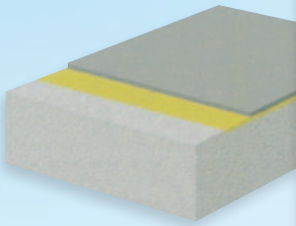
Coatings are always used where demands on endurance are not too heavy. Even so, coatings provide highly effective chemical stability against acids, alkalis, salts and solvents. Coatings may be subjected to mechanical influences, e.g. from forklift trucks, rolling barrels or knocks from other hard objects.

Demands are made on freedom from dust, easy decontamination and steam resistance. Floor coatings in accessible areas should prevent slipping, and in many cases, demands are made on aesthetics.

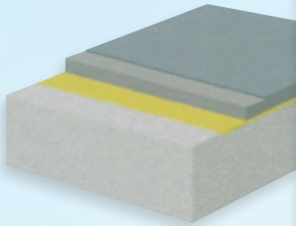
We can fulfil these demands with coatings based on epoxy resins, polyurethane and vinyl esters.

Laminates are used where the demands on endurance are heavy, such as covering cracks, heavy mechanical endurance, or high temperatures. Depending on the demands made, these laminates are reinforced using fibreglass or glass matting. Our laminates are based on epoxy, phenol, furan, or vinyl-ester resins.

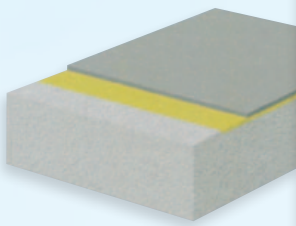
Naturally, we also supply coatings and laminates compliant with the German Water Resources Act (WHG §19).



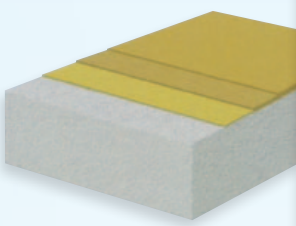
› Dolit ET protective coating



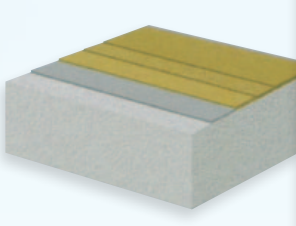
› Dolit ET coating



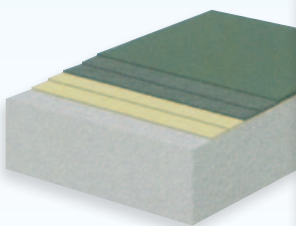
› Dolit VE coating



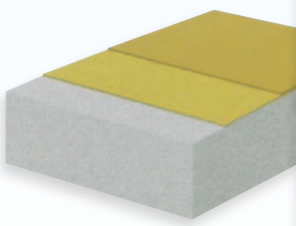
› Dolit 846 laminate



› Dolit VEL laminate



› Dolit LF laminate  
Dolit LC laminate

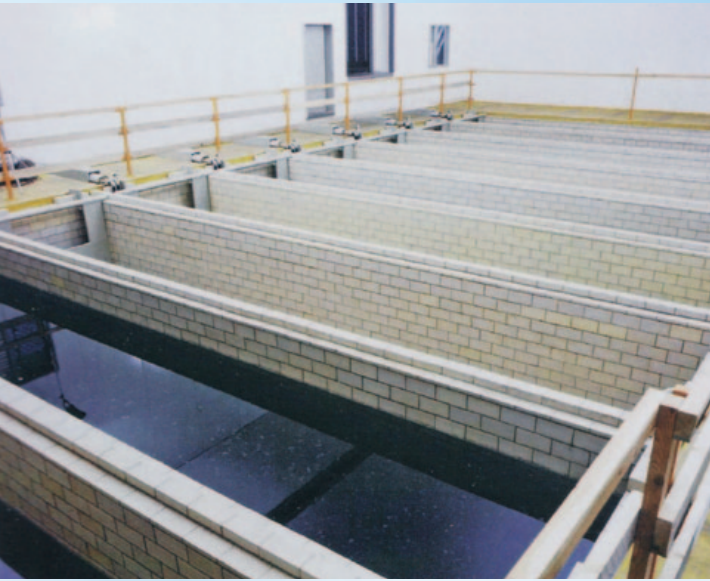


› Dolit WHG § 19 laminate

# PAVING

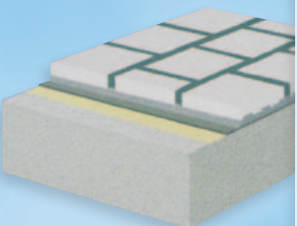
Corrosion protection paving usually consists of anti-corrosive ceramic paving stones at a thickness of at least 20 mm. The stones are laid into synthetic-resin cement on an anti-corrosive surface, and grouted in. Materials such as cast basalt, carbon blocks and refractory stone can also be used.

We at CRS Chemieschutz also supply materials for laying and grouting based on epoxy, vinyl ester, phenol and furan resin; our range extends to water-glass cement of various types.

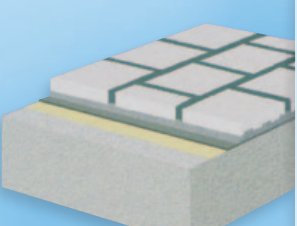


We will select a structure most suitable for meeting the chemical, thermal and mechanical stability requirements set.

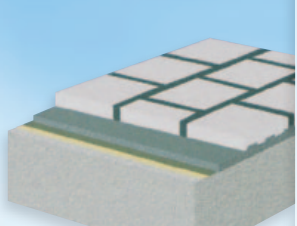
All of the materials we manufacture ourselves carry the “Dolit” brand name.



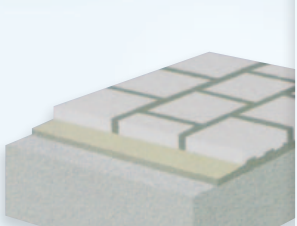
› Dolit CN



› Furan Dolit FN, FQ, 788



› UE Dolit VEC, VEG



› Dolit HB, HES

# WALL LINING

Corrosion protection linings consist of artificially manufactured bricks based on the technology already outlined in our paving materials. These linings are installed in one or more than one layer into towers, vessels, other process containment as well as collecting basins to provide existing construction with heavy-duty, reliable and long-term chemical protection.

We produce and install synthetic-resin cement linings heat-resistant at up to 350°C, water-glass cement at up to 900°C, and refractory cement at up to 1,500°C.