

Concepts

Products

Service



We provide safety in tunnels.
Lindner tunnels.



Lindner

Building New Solutions

Building new solutions.

Lindner undertakes major worldwide projects in all areas of interior finishes, insulation technology, industrial services and building facades. From pre-planning through to project completion Lindner is your partner of choice.

The Company's extensive manufacturing capability enables quality to be strictly maintained whilst allowing maximum flexibility to meet individual project requirements.

Environmental considerations are fundamental to all Lindner's business principles.

Through partnerships with clients Lindner turns concepts into reality.

Choosing Lindner you have:

Lindner Concepts:
Tailored solutions specifically geared to satisfy individual project requirements

Lindner Products:
Quality materials and systems to the very highest industry standards

Lindner Service:
Comprehensive project management services

Reliability in Tunnel lining

Achieve your aim with our know-how.

What sets us apart:

- Long-term experience and know-how in fire protection and sound proofing
- Certified specialist for the removal of hazardous and toxic materials
- Lindner's in-house Research & Development department
- Cooperation with high qualified partners
- Worldwide activities
- International construction experience

Our business activities: Fire and sound proofing, removal of hazardous materials

Load-bearing components have to be protected by thermal insulations in case of fire. Distinct solutions result from different requirements of the construction as well as its utilisation.

We provide you with services from planning and realisation of bespoke fire protection concepts up to production and installation of complete fire protection ceilings and wall claddings with fire protection boards.

We support you in furnishing of service buildings with our know-how and in finding solutions for demanding fire and sound proofing systems. We also manufacture products like fire protection doors and raised floor systems.

With our own "Research and Development" department we are able to do materials testings of entire components regarding to the specific requirements to a project.

As a founder member of the FAS [Professional Association for Asbestos Abatement] we offer high qualified and professional services in sustainable elimination of pollutants according to the legal stipulations of TRGS [Technical Rules for Hazardous Substances]. In this sector we have a long-term experience.

Cracked or brittle coatings on your load-bearing steel components? Not a problem. We are specialised in blasting and cleaning of surfaces and in renewing anti-corrosion coatings.



We are a founding member of Fachverband Schadstoffsanierung (Professional Association for hazardous substances management).



Lindner is a certified specialist for the removal of hazardous materials according to SCC, DIN ISO 9001 and, since 2009, according to DIN ISO 14001.



Thanks to our LEED competence we enable certifications by the US Green Building Council (USGBC).



We are founding members of the German Sustainable Building Council (DGNB).

Tunnel Flughafen Tegel Berlin

In 2009, a German automotive association called "ADAC" tested 13 European road tunnels. The Tunnel Flughafen Tegel Berlin awarded the best grade "excellent". The tunnel was built in 1979 and refurbished with a value of 38 Mio €. With the length of one kilometre it leads underneath the tarmac of the Tegel Airport. The daily rate of traffic amounts to 87,000 vehicles.

The consortium "ARGE Sanierung Tunnel Tegel Berlin" awarded us as a specialist for preventive structural fire protection with the installation of 23,000 m² of fire protection ceilings.



Emergency stops, video monitoring systems, emergency lights and exits are now installed.



The new tunnel at the Tegel Airport was constructed according to the latest safety standards.

Facts & Figures:

Contract value: 2.4 Mio. €

Execution time: 6 months

Elbtunnel Hamburg



The new Elbtunnel was built in 1975 and is part of the Autobahn A7 in the western part of Hamburg, which passes underneath the river Elbe. The tunnel is a connection for the districts Othmarschen and Waltershof and is used by 150,000 cars daily. It is among one of the most important traffic hubs. With 3,325 m the Elbtunnel belongs to the longest underwater roads worldwide.

Due to the alteration of the tunnel the risk of asbestos dust rose, as those components were used for fire protection.

As certified specialist we removed 2,900 t of contaminated materials and replaced them with environmentally friendly fire protection systems. Altogether, we have installed approximately 75,000 m² of fire protection boards.

Since 2003 the reconstruction of the tubes one to three is carried out in stages. The completion of this project is planned for 2011.

In order to reduce the time of construction all the works are done in a multi-shift operation and on the weekends.

The implementation of the corrective action programme is based on the revised RABT [Guidelines for Furnishing and Operating of Road Tunnels] convention of 2006.

Facts & Figures:

Contract value: 70 Mio. €

Execution time: 2003 to 2011

The surface coating of the steel tubings, which consisted basically of coal tar pitch with asbestos fibre (spray asbestos), showed new brittleness even though it was refurbished years ago. The surface of the tubings was dry blasted and coated again.



“Black Zone” - sealed off working area with spray asbestos before sandblasting.



Blasted and coated steel tubing.

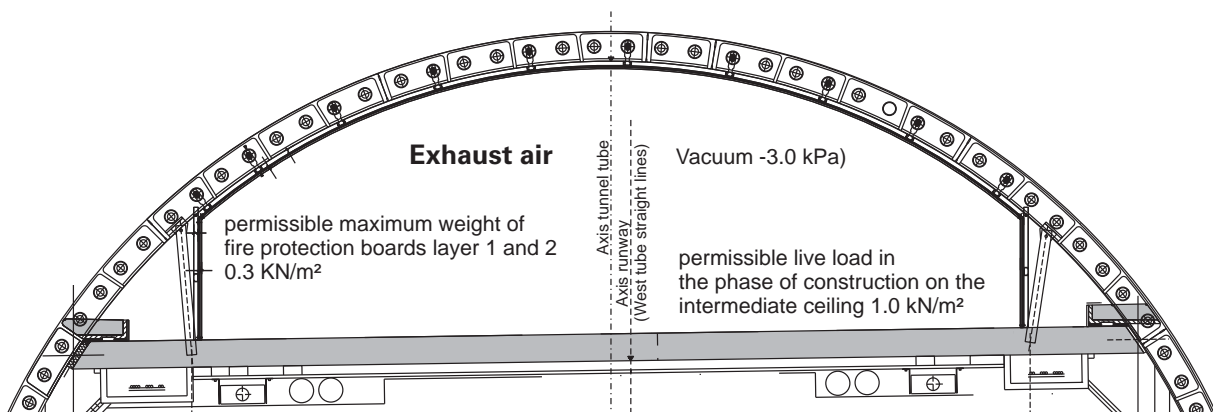
We had to install 15,000 m² of fire protection boards onto the split walls in order to replace the existing claddings in the shield tunnelling area.

An additional contract to refurbish the exhaust air crown above the intermediate ceiling and for fire-protection works in the precast concrete unit sector requires the installation of another 60,000 m² of fire protection boards.



Split wall with fire protection cladding.

The vacuum in the exhaust air crown was a huge challenge for the construction. By starting the exhauster the depression achieves up to -3.0 kN/m². With support of our R & D department we were able to develop an adapted solution, which allows for density as well as static reliability.



Section of steel tubing with exhaust air crown

We can do it all for you.

Lindner Concepts:

- insulation engineering and industrial service
- clearance of harmful substances
- clean rooms
- airports and airlines
- railways and tunnels
- studios and cinemas
- interior fit-out and furnishings
- cruise liner and ship fit-out
- specialist dry lining
- general contracting
- Public-Private Partnership (PPP)

Lindner Products:

- facades
- ceiling systems
- lights and lighting systems
- partition systems
- doors
- floor systems
- heating and cooling technologies

Lindner Service:

- general planning
- development and design
- delivery
- installation
- maintenance

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