

Abrasion

erodes your profit



We manage wear protection



Wear management more than wear protection

Wear management involves more than the simple lining of a plant component with some material. Wear management takes into account all factors that influence the wear pattern within industrial plants. Only this integral procedure permits the design of a permanently cost-effective wear protection system.

Wear management – the best management for your production

Professional wear management ensures smoother running of your production. You will benefit from a much higher service life, less shutdown times, substantially lower maintenance costs – an overall more economical and profitable production.

Scholten wear management – our experience proves the point

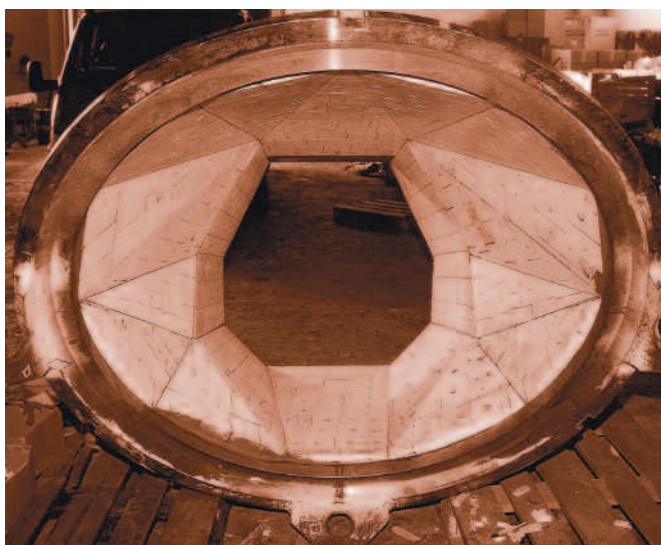
For more than 50 years now, we have been developing customized wear protection systems for a most diverse variety of industrial plants. Decades of practical experience on site, a wide range of ceramic wear protection materials and the Know How of our qualified staff are the components of our most effective wear management.

No two cases of abrasion are the same

The type of abrasion depends on a variety of factors: flow speed, output rate, impact angle, service temperatures, shape of conveyed material, etc., just as on the technical properties of the plant.

Analysing the factors frequently shows several different wear stresses in one and the same plant component, thus requiring several different wear protection materials. This provides the possibility to chose the most economical wear management, by using higher-cost materials only where they are indeed necessary.

We use a wide range of ceramic materials for the lining of plant components, which we combine in order to achieve most cost-effective wear protections systems.



Ceramic wear protection materials for any kind of wear stress



SC Cast basalt

Time-tested and economical in cases of

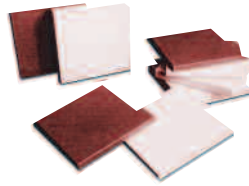
- strong abrasive wear
- transport of medium to coarse materials
- service temperature up to 350°C

Advantages:

extremely wear resistant, smooth surface, improves easy flow, resistant to corrosion, moisture, acids and alkalis.

Areas of application:

pipings, cyclones, separators, bunker, chutes



SC Hard ceramic

Economical in cases of

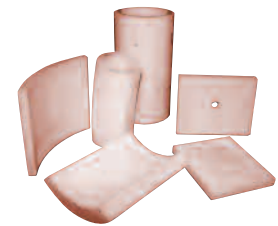
- medium-level abrasive wear
- fine-grain bulk solids
- service temperatures up to 500°C

Advantages:

smooth surface, improves easy flow, high abrasive and pressure resistance, resistant to corrosion, frost, acids and alkalis.

Areas of application:

flotations, separators, chutes



SC Zirconia ceramic

Ideal for cases of

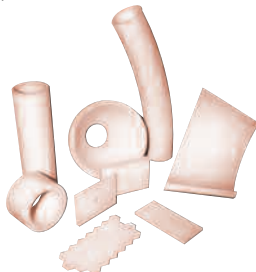
- strong abrasive and impact wear
- any kind of bulk solids
- service temperature up to 1000°C

Advantages:

exceptionally high wear resistance, high hardness. Flexible shaping and mounting possibilities

Areas of application:

cyclones, separators, piping



SC alumina ceramic

Reliable in cases of

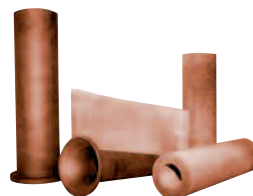
- strong abrasive and impact wear
- any kind of bulk solids
- service temperature up to 1500°C

Advantages:

very high level of strength and hardness, high resistance to corrosion, available in very thin wall thicknesses

Areas of application:

separators, screens, cyclones, piping, nozzles, diffusers



SC Silicon carbide ceramic

Unbeatable in cases of

- strong abrasive and impact wear
- extreme temperature changes
- service temperature up to 1700°C

Advantages:

excellent resistance to temperature changes and thermal shocks, corrosion resistant, high hardness, high temperature conductivity

Areas of application:

pulverized fuel piping, blower linings, melt chutes, hydrocyclones, nozzles



SC WearStop®

Economical in cases of

- abrasive wear
- frequent temperature fluctuations
- service temperature up to 1200°C

Advantages:

very cost effective, high hardness and abrasion resistance. Lining without joints that permits even complex geometric shapes.

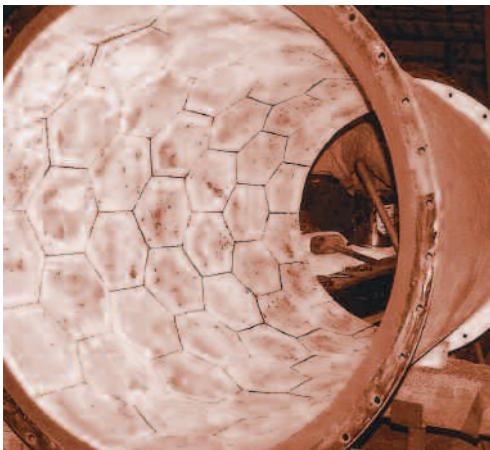
Areas of application:

separators, cyclones, mechanical conveyors, piping systems



Wear management – for plants under construction as well as for existing installations

Wear management is the prerequisite for the development of cost-effective and reliable wear protection systems, both for the planning of new plants as well as for the protection of existing installations. Scholten wear management helps you to reduce cost and ensures that your wear and tear does not erode your profit.



Save on cost – with Scholten wear management

Are you planning a new plant, or do you intend to protect an existing installation against abrasion?

We can support you with

- consulting
- analysis
- planning
- manufacture
- assembly and installation
- project handling

Just contact us – we can manage your wear problem.

How to reach the Scholten wear management team

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