

DSB-Products in the H₂SO₄-INDUSTRY

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1 TANKS LINED WITH DSB-MATERIALS

- End-Absorbers
- Intermediate Absorbers
- Drying Towers
- Converters
- Sulphur-Furnaces
- Sulphur Melting pits
- Gas-Scrubbers
- Condensation Tower
- Quench Tower
- Venturi-Scrubbers
- Roasters
- Steam Drum
- H₂SO₄-Unloading areas
- WSA-Condensers

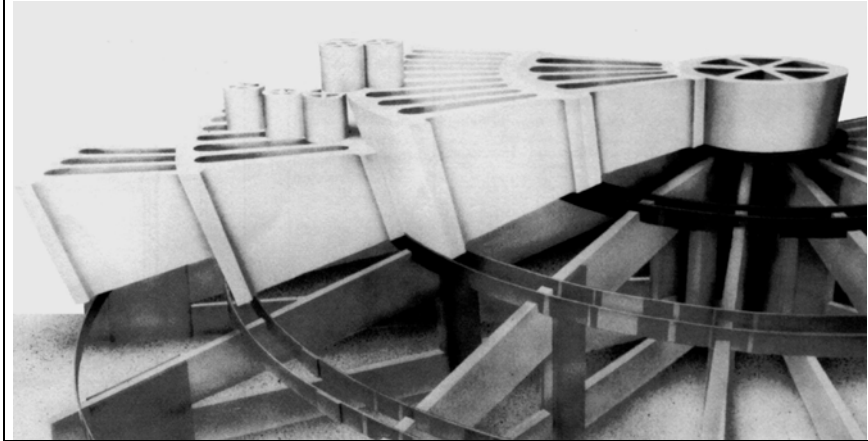
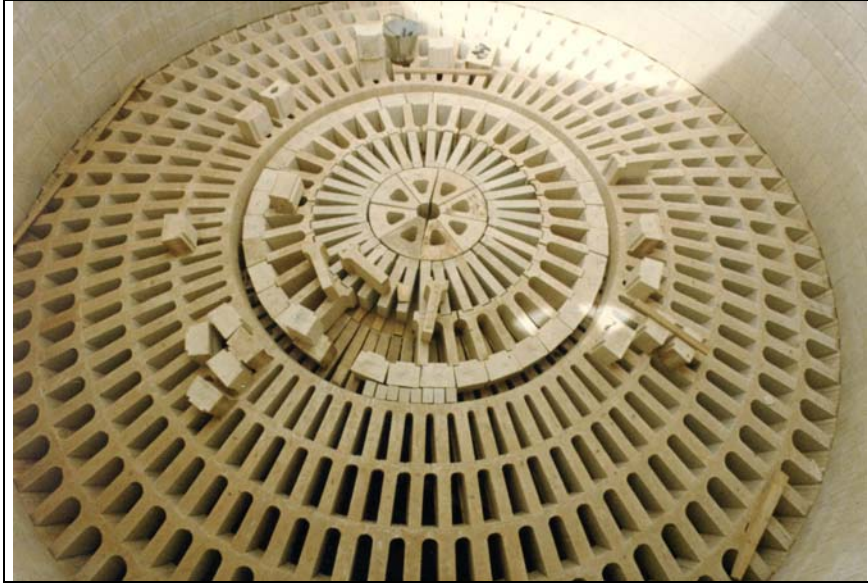

2 SALES- AND TECHNICAL-FORCE OF DSB-EXPORT




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CASESTUDIES

	<p>DSB-Self-Supporting Dome for Absorbers, Drying Towers, Gas-Scrubbers</p>
	<p>Self-Supporting Dome Top view</p>
	<p>Ring-Brick Self-Supporting Dome and Support</p>

	<p>Placing center- brick for selfsupporting Dome</p>
	<p>Setting of Partition Rings before filling in Saddles</p>
	<p>Gasentrance in Absorption Tower with white ceramic bricks and red shale bricks for the cylinder</p>

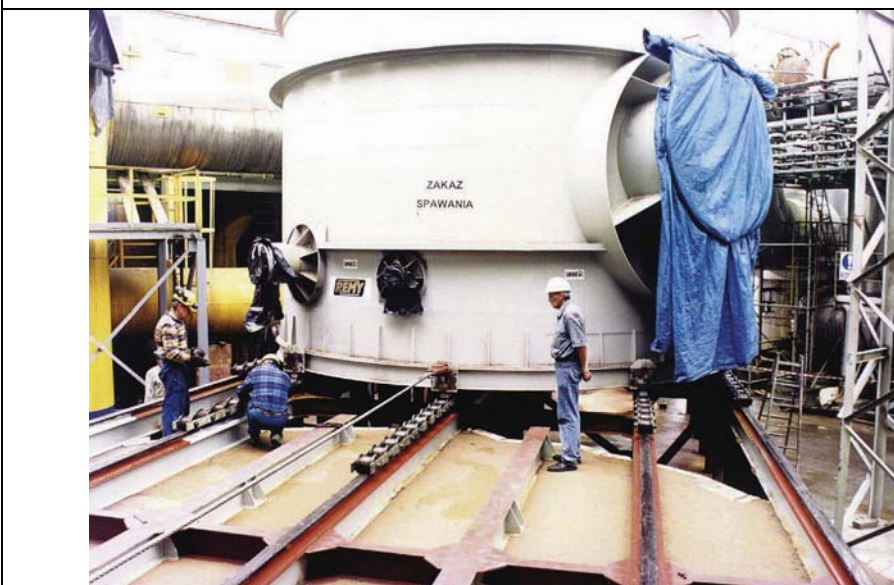
	<p>Lining of a Sulphur Melting pit</p>
	<p>Dividing wall in Sulphur Melting pit</p>
	<p>Refractory Lining in a Sulphur-Burner</p>



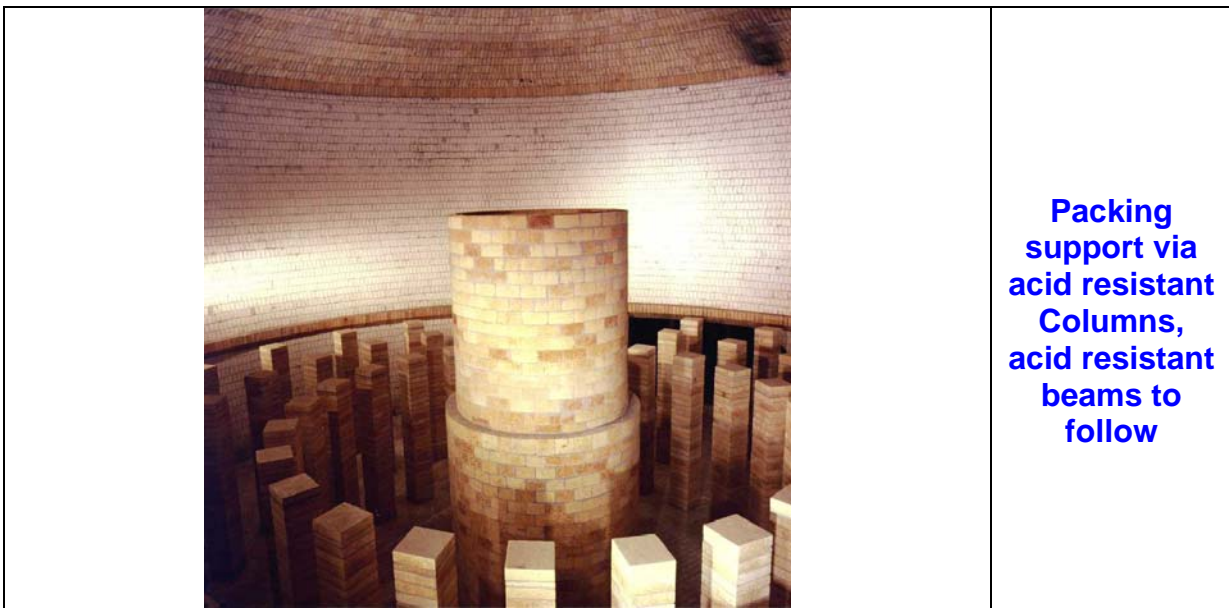
Venturi-Scrubber in the Gas cleaning plant



Bricklining inside Absorption-Tower



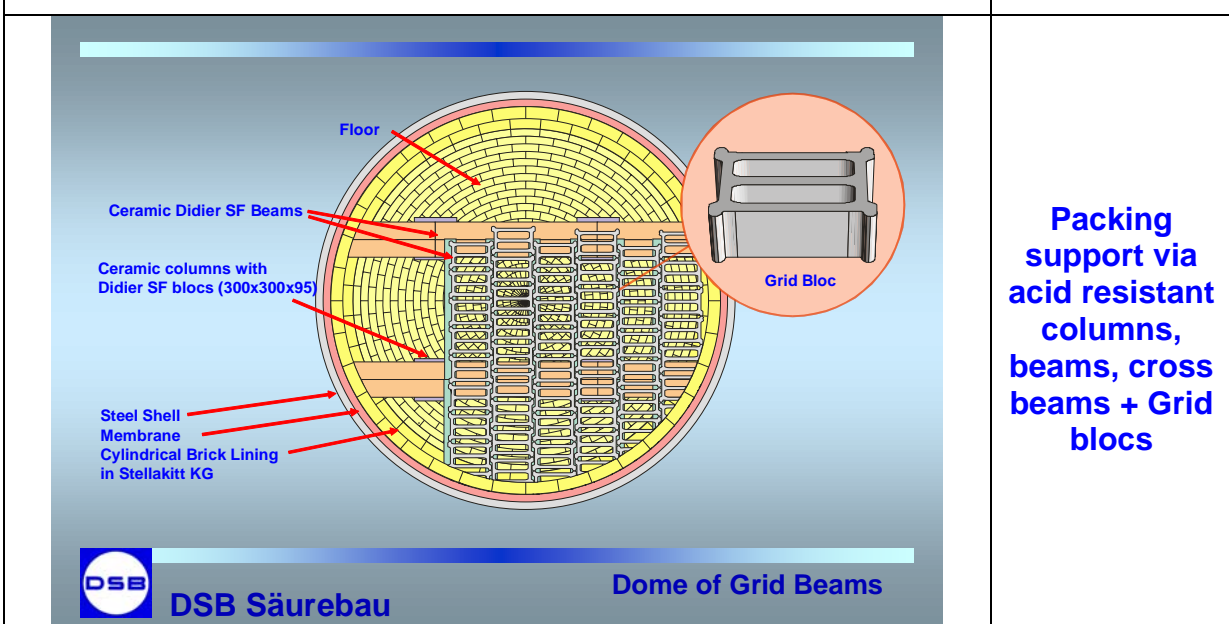
Reduced shutdown time due to Exchange of Absorption towers via rail track system






Packing support via acid resistant Columns, acid resistant beams to follow



Packing support via 3 acid resistant Brick-arches



Packing support via acid resistant columns, beams, cross beams + Grid blocs

 A large, circular industrial tank under construction. The interior is lined with white tiles. Scaffolding is visible inside the tank, and a ladder is attached to the exterior.	<p>Absorption - Tower Lining</p>
 The interior of a dark-colored industrial tank. The walls and floor are lined with a dark, smooth material, likely rubber. Two circular openings are visible on the wall.	<p>Rubberlining for Hydrolysis Tank, H2SO4- Process in TiO2 Production</p>
 A worker wearing a blue plaid shirt, dark pants, and an orange hard hat is standing in a large pile of white, cross-shaped plastic rings. The worker is holding a clear plastic bag, possibly containing more rings or packing material.	<p>Cross- Partition rings and Packing Materials</p>



H2SO4-Mixing Tank



Relining of a chimney



Relining of Drains by Stellaplast-PE-Liner

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DSB-MATERIALS INSTALLED IN THE H2SO4-INDUSTRY

4.1 Mortars:

Stellakitt AE

Stellakitt KG

Resacid FQ

Resacid F

4.2 Bricks:

Didier SF

Didier RS

Didier AC

Neracid A

Neracid B

4.3 Membranes

Rhepanol ORG

Percora Mastic

PTFE-Foil

Stellabutyl CB

Stellasin CR

Stellatar E/EW

Stellagen FUR

4.4 Concrete Protection sheets

Stellaplast

5 DSB-REFERENCES

<u>Client</u>	Alkaim, Iraq	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1985	Didier SF-bricks, Stellakitt KG, Rhepanol ORG	• 9 x Absorption Towers

<u>Client</u>	Cinkarna, Celje, Slovenia	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
2000	Didier SF-bricks, Resacid FQ, Stellatar E/EW	• Maintenance Materials for Floors + channels
2004	Didier SF, Stellakitt KD	• Converter
2005	Insulation Bricks, Refractory Bricks, , ceramic Felt, paper, Silicate Mortar	• C-Steel Sulfur Burner

<u>Client</u>	Sachtleben, Duisburg, Germany	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1999	Didier SF-bricks, Stellakitt KG and AE	• Venturi-Scrubbers
2005	Didier SF-bricks, Stellakitt KG and AE	• Chimney

<u>Client</u>	Copper-Smelter, Glogow, Poland	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
2002	Didier SF-bricks, Stellakitt KG, Rhepanol ORG, Self-supporting Dome	• Absorption Towers

<u>Client</u>	Group Chimique Tunisie, Tunisie	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
2002	Didier SF-bricks, Stellakitt AE	• Floor and channels

<u>Client</u>	Lebanon Chemicals Company, Lebanon	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1996	Didier SF-bricks, Stellakitt KG, Packing Materials	• Maintenance Mat. for Absorption Tanks
1997	Didier SF-bricks, Resacid FQ, Stellatar E/EW	• Maintenance Mat. for Absorption Tanks
1998	Didier SF-bricks, Resacid FQ, Stellatar E/EW	• Maintenance Mat. for Absorption Tanks
1998	Ceramic grid beams and packing materials	• Maintenance Mat. for Absorption Tanks
2000	Didier SF-bricks, Resacid FQ, Stellatar E/EW	• Maintenance Mat. for Absorption Tanks
2003	Didier SF-bricks, Stellakitt KG, Packing Materials	• Maintenance Mat. for Absorption Tanks

<u>Client</u>	ENAMI, Paipote, Chile	
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1996	Didier SF-bricks, Stellakitt KG, Rhepanol ORG	• Maintenance Mat. for Absorption Tanks

<u>Client</u>	Tek-Mur, Vanta, Finland for	Outokumpu, Fin
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1996	Didier SF-bricks, Resacid FQ, Stellatar E/EW	• Maintenance Mat. for Floors + channels

<u>Client</u>	Lockwood Green Petersen, Wiesbaden, GER	Gomel, Bela-Russia
<u>Year</u>	<u>DSB-Products</u>	<u>Objects</u>
1996	Didier SF-bricks, Rhepanol ORG, Self-supporting Dome	• Drying Tower • Intermediate Absorption Tower • Final Absorption Tower

<u>Client</u>	<u>DSB-Products</u>	<u>Objects</u>
Hugo Petersen, Wiesbaden, GER		TiO2....
Year		
2008	Didier SF-bricks, Rhepanol ORG, Self-supporting Dome	<ul style="list-style-type: none"> • Drying Tower • Intermediate Absorption Tower • Final Absorption Tower
Saaci, Gent, Belgium		
Year		
Didier Corr. Engineering, Johannesburg SA		Zuicor, Springs
Year		
2002	Grid Beams	<ul style="list-style-type: none"> • Absorption Tower
Didier Corr. Engineering, Johannesburg SA		Impala Platinum, Springs
Year		
2002	Self-supporting Dome	<ul style="list-style-type: none"> • Absorption Tower
Kemira Chemicals OY, Oulu, Finland		
Year		
2006	Self-supporting Dome, Didier SF, Stellakitt KG	<ul style="list-style-type: none"> • Absorption Tower
2006	Insulation Bricks, Refractory Bricks, , ceramic Felt, paper, Silicate Mortar	<ul style="list-style-type: none"> • Sulfur Burner