



SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

REPAIR PRODUCTS

FOR BLAST FURNACES



SCAN ME

TO DOWNLOAD



FULL RANGE OF REPAIR PRODUCTS

CASTABLES - SIALFRAX™ CAST

Colloidal-silica bonded Al₂O₃-SiC-Carbon castables

- SIALFRAX™ 18 CAST+

SHOTCRETE - SIALFRAX™ SHOT

Colloidal-silica bonded Al₂O₃-SiC-Carbon castables

- SIALFRAX™ 18 SHOT+



Visit our website and contact us today.

FEATURES & BENEFITS

SIALFRAX™ CAST



Excellent hot and mechanical strengths



Minimized lining wear rate



Very good resistance to thermal shock, creep, erosion, chemical attack

SIALFRAX™ SHOT



Fast installation rate



Low rebound (< 5.0 %)

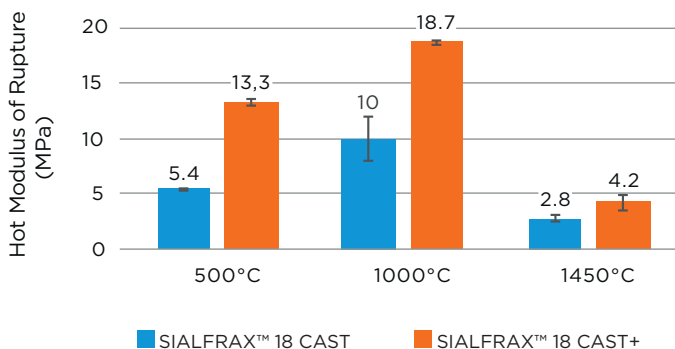


Ideal for a combination of fast pumping + robot application techniques



Excellent adhesion, no matter what wall thickness is required

HOT MODULUS OF RUPTURE



Application of shotcrete - Sialfrax™ Shot

SIALFRAX™ - CAST+ and SHOT+ SERIES

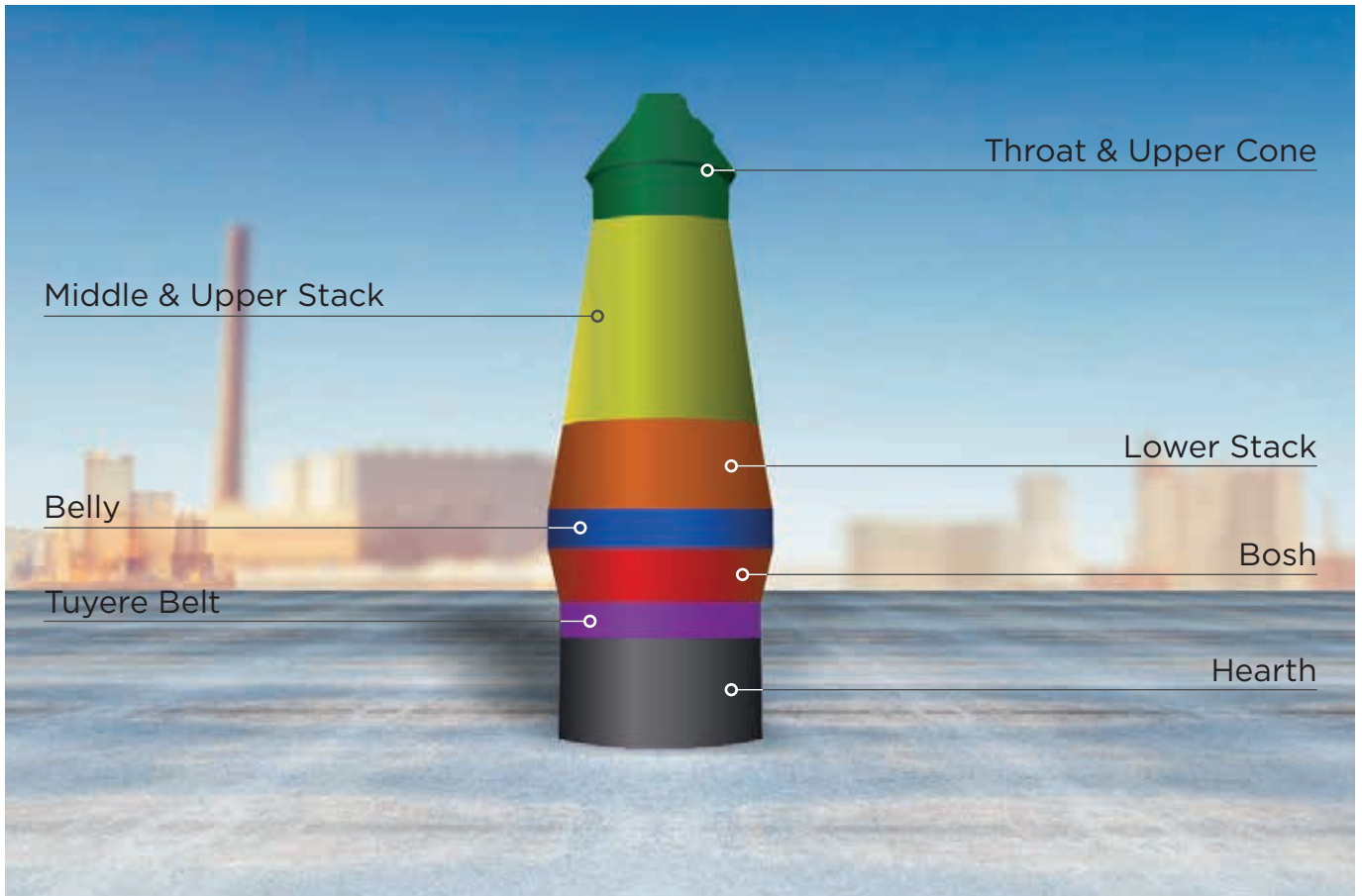
Our PLUS (+) special products comprise a new generation of colloidal silica-bonded materials, which were designed to obtain very good rheological properties, a more dense structure and lower porosity, enabling them to deliver extremely high abrasion and corrosion resistance guaranteeing the maximum protection for blast furnace walls.

Target:

Minimize your lining wear rate!

APPLICATION AREAS

With lifetimes of blast furnace campaigns increasing up to 20 years and beyond, intermediate refractory repairs gained significant importance. Saint-Gobain provides colloidal-silica bonded castables (SIALFRAX™ CAST) for re-profiling the hearth and repairing the tapholes as well as high-performance shotcreting materials (SIALFRAX™ SHOT) for the repair from hearth to lower stack.



A WIDE RANGE OF LINING SOLUTIONS

AREA	MAIN WEAR MECHANISM	SUITABLE SHOTCRETE PRODUCTS
Hearth	Molten Iron / Slag Erosion	SIALFRAX™ 18 CAST+
Bosh	Abrasion / Strong Alkali Attack	SIALFRAX™ 18 SHOT+
Lower Stack	Abrasion / Strong Alkali Attack	SIALFRAX™ 18 SHOT+

All shotcrete materials are also available as a castable.



SAINT-GOBAIN



1 in 4 products
did not exist 5 years ago



170.000+
employees



2022 sales of
€ 51.2 billion



represented in
76
countries



-27%
carbon emissions
reduction (vs. 2017 on scope 1+2)



8
main R&D centres

OUR MISSION

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the well-being of each of us and the future of all.

OUR PURPOSE

MAKING THE WORLD A BETTER HOME.



WE ARE COMMITTED TO BEING CARBON FREE BY 2050.

OUR GLOBAL PRESENCE

USA	EUROPE	INDIA	JAPAN
Niagara Falls Worcester	Castellón (Spain) Corsico (Mi), (Italy) Prague (Czech Republic) Rainford (United Kingdom) Rödental (Germany)	Bangalore Halol	Nagoya
MIDDLE EAST & AFRICA		PACIFIC	CHINA
Dubai (UAE)		Melbourne (Australia)	Dengfeng
			ASIA
			Seoul (Korea)

CONTACT US

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PERFORMANCE CERAMICS & REFRACTORIES

