At Saint-Gobain, our commitment to sustainability enables us to develop innovative, effective solutions that meet the challenge of protecting the environment. **Already our Coranit AL extends hearth wall life by approximately 10 years, our latest development is expected to increase hearth wall life by a further 2 to 3 years.**

**BENEFITS CERAMIC CUP**

- Lower energy consumption
- Reduction of $CO_2$ emissions
- Quick Pay-Back within 2 years
- Recycling of slag: no Ilmenite addition
Saint-Gobain's 3rd generation Ceramic Cup quality Coranit SlagR has improved resistance to iron, slag, alkali corrosion and wears very gradually over the lifetime of the hearth.

Due to its excellent quality the life of your blast furnace hearth will be extended.

**CASE STUDY FOR EUROPEAN BLAST FURNACE HEARTH**

**CO₂ emission - price development affects every industry sector**

The key result is a constant increase of the price per ton of CO₂ emissions - in one year the price per ton has more than doubled.¹

<table>
<thead>
<tr>
<th>TOTAL CO₂ SAVINGS</th>
<th>65 KT</th>
<th>TOTAL COKE SAVINGS</th>
<th>20 KT</th>
</tr>
</thead>
</table>

Ceramic Cup Savings (M€) after ”x” years:

Graph: Case study calculated on an existing blast furnace with ceramic cup (hearth diameter 11m)

¹ www.ec.europa.eu/clima/policies/ets_en ² in hearth with Saint-Gobain Ceramic Cup

**Leverage Our Expertise.**

Saint-Gobain Performance Ceramics & Refractories engineers and researchers collaborate with you, our customers, to solve operational challenges with customized hearth lining solutions.

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**PERFORMANCE CERAMICS & REFRactories**

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