CERBERITE®
YOUR COST KILLER IN A HARSH ENVIRONMENT

Looking for production efficiency and lower operating costs?

Million hours of operation

Our know-how has been built over decades through a continuous cooperation between our customers and our R&D center. Cerberite® is the global leading brand representing the specific solutions out of graphite, composite and metallic systems for the glass industry.
<table>
<thead>
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<th>GRADE</th>
<th>POROSITY %</th>
<th>FLEXURAL STRENGTH MPa</th>
<th>COMPRESSIVE STRENGTH MPa</th>
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* anti-oxidation treatment

**LOW THERMAL CONDUCTIVITY**
- **WHY IS IT KEY FOR YOU?**
  - Reduces or avoids checks and crizzles
  - Reduces thermal shock
- **YOUR BENEFITS**
  - Fewer rejects
  - Higher productivity
  - Improves “melt-to-pack” ratio

**EXCELLENT FLEXURAL AND COMPRESSIVE STRENGTHS**
- **WHY IS IT KEY FOR YOU?**
  - Improves wear performance
  - High impact resistance
  - Handling parts last longer
- **YOUR BENEFITS**
  - Longer life for contact parts
  - Fewer unplanned maintenance stops
  - Higher productivity / lower operation costs

**LOW POROSITY**
- **WHY IS IT KEY FOR YOU?**
  - Reduces checks and crizzles
  - Reduces absorption of contamination
- **YOUR BENEFITS**
  - Fewer rejects
  - Higher productivity / operating cost reduction

**ANTI-OXIDATION TREATMENT (C50 and C70)**
- **WHY IS IT KEY FOR YOU?**
  - Extends life of material
  - Improves wear properties
- **YOUR BENEFITS**
  - Fewer insert changes
  - Reduces unplanned maintenance stops
  - Higher productivity

**YOUR BENEFITS**

**WHY IS IT KEY FOR YOU?**

- Reduces contacts checks
- Reduces absorption of contamination

**YOUR BENEFITS**

- Fewer rejects
- Higher productivity / operating cost reduction

**YOUR BENEFITS**

- Extends life of material
- Improves wear properties

**YOUR BENEFITS**

- Fewer insert changes
- Reduces unplanned maintenance stops
- Higher productivity

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1. Reduces or avoids checks and crizzles
2. Improves wear performance
3. Reduces contacts checks
4. Extends life of material
5. Lower thermal conductivity
6. Fewer rejects
7. Higher productivity
8. Improves wear performance
9. Reduces absorption of contamination
10. Fewer rejects
11. Higher productivity / operating cost reduction
12. Fewer insert changes
13. Reduces unplanned maintenance stops
14. Higher productivity
15. Fewer rejects
16. Higher productivity
17. Fewer inserts changes
18. Fewer unplanned maintenance stops
19. Higher productivity
20. Anti-oxidation treatment (C50 and C70)
02
GLASS PROCESS
PRODUCT SOLUTIONS

- **DEAD-PLATES**
  Grade C25, C50 or C70

- **SWEEP-OUT FINGERS**
  Grade C1 or CM20

- **CONVEYOR GUIDE**
  Grade C1 or CM20

- **TRANSFER FINGER**
  Grade C1 or CM20

- **GUIDE GOB**
  Grade C15 or C25

- **TOP PLATE + INSERTS**
  Grade C50

- **TAKE-OUT TONGS WITH INSERTS**
  Short runs C25
  Long runs C50 or C70

- **ROUND STYLE TAKE-OUT TONGS WITH INSERTS**
  Grade short runs C25
  Long runs C50 or C70

- **UNIVERSAL FITTING STACKER BAR WITH SPACER INSULATORS**
  Grade CM20 or CM80

- **STACKER BAR BLOCK WITH INSULATORS**
  Grade CM20 or CM80
Mersen has developed an extensive global network to be able to serve our customers wherever they are, with the quality that they can expect for a market leader.

Mersen machine shop close to your plant

**QUICK DELIVERIES**
we have the material on stock. You save time.

**EASY**
your local contact at Mersen speaks the same language as you.

**EFFICIENCY**
Mersen also does the machining of your spares based on your requirement. It’s direct, no third parties and who else better than Mersen knows how to machine our material?
CERBERITE®
SOLUTIONS FOR THE GLASS CONTAINER MANUFACTURING PROCESS

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This table represents standard recommendations made by our experts for the glass container manufacturing process. This does not prevent an analysis of your specific process by our technicians to propose the right solutions for you.