

Burnt basic bricks *MgO-C bricks* *Monoblock throat* for RH degasser



Assembled



Monoblock



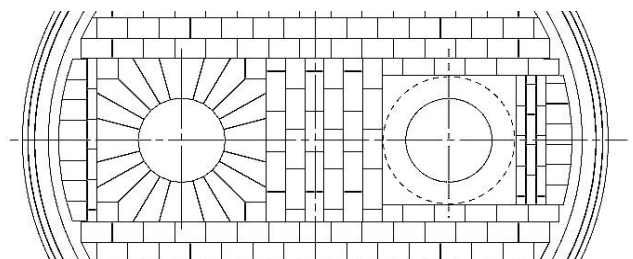
SHINAGAWA's monoblock throat shows excellent performance.

In general, bottom throat of RH degasser are installed by placing the assembled unit of bricks with various shapes. Because the bottom lining is subjected to mechanical stress caused by the shell deformation during use, joint wear occurs among the assembled bricks, resulting in molten steel penetration through the joints and red hot temperature of the shell surface.

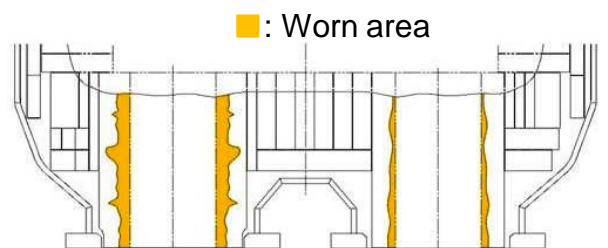
Application of large size joint-less MgO-C monoblock to the throat showed a smooth worn surface with a 30% reduction in wear volume.

We have already supplied more than 100 monoblock throats. The same technology can be applied to snorkels.

Assembled



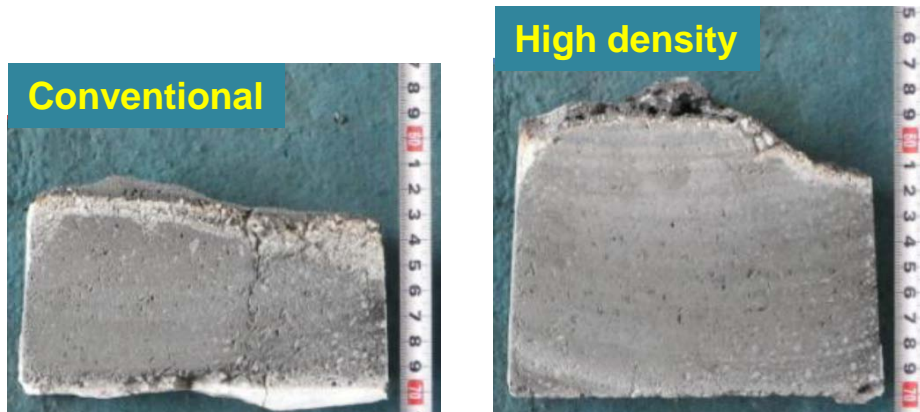
Monoblock



Low carbon MgO-C bricks for RH degasser

Low carbon and spalling-resistant MgO-C bricks perform well without carbon pickup problem in lower vessel of RH degasser.

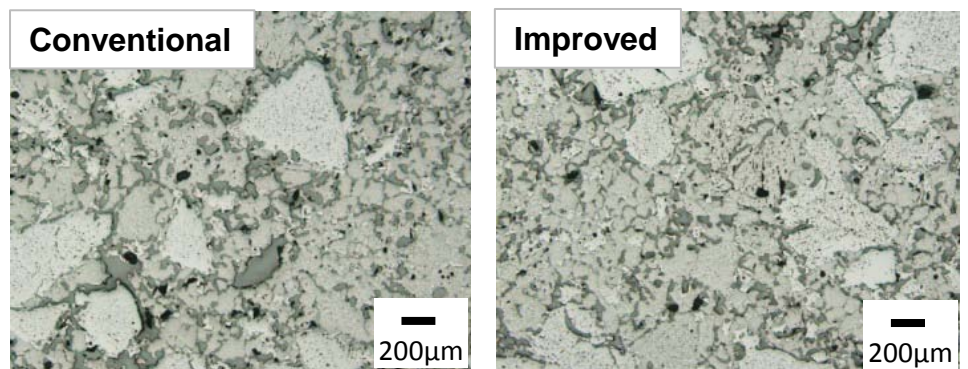
High density MgO-C brick shows extremely small corrosion in many furnaces. Low carbon (7%) MgO-C brick for RH degasser is not an exception.



Used at lower part of RH degasser

Magnesia-chrome bricks for RH degasser

SHINAGAWA's manufacturing technology improves microstructure of magnesia-chrome bricks.



Microstructure enhancement is found to be an effective measure against peeling-off that is one of the dominant factor to damage the lower part of RH degasser. Wear speed can be reduced by applying this manufacturing technology.

Magnesia-spinel brick (Chrome free) brick is also available.

