



Advanced coating technology



Advanced coating technology (ACT™)

Johnson Matthey is a long-established supplier to the glass industry, providing a range of platinum group metal (pgm) solutions to meet our customers' needs. Our **ACT** coatings can improve the efficiency of your process and the quality of your glass.

Ceramics are protected through a thin coating of platinum or 10% rhodium/platinum that provides a protective layer against corrosion. Our coatings help to reduce costs by decreasing downtime, extending the life of the ceramic parts and providing fewer defects in the end product. **ACT** coatings offer:

- Resistance to corrosion from molten glass, including soda lime, crystal, borosilicate and opal.
- 100% shape retention for the lifetime of the coating.
- Protection of the glass line.
- Protection against corrosive vapour condensates.

ACT coatings can be applied to the majority of refractory materials, including feeder consumables and furnace blocks. The flexible process means that more complex fabrications can be coated if required.

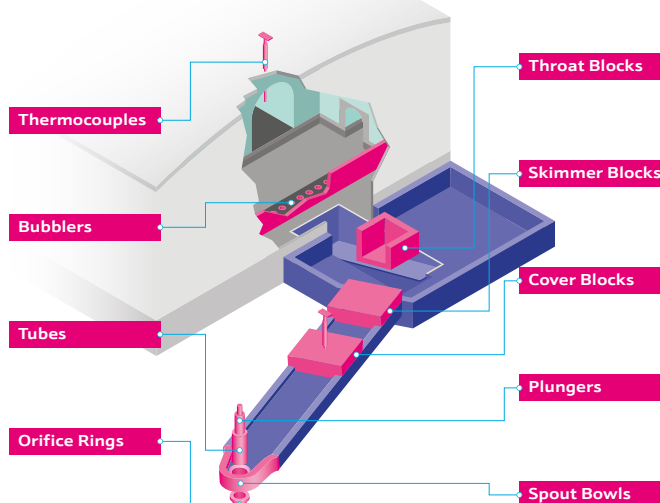
We offer ongoing technical support and a closed-loop pgm recycling service with typical returns exceeding 95%.

Typical materials:

Platinum 99.95%	Up to 1300°C
10% Rhodium/Platinum	Up to 1600°C

Typical thickness:

Feeder consumables and specialised products	200-400 microns
Furnace blocks	400-500 microns



Europe

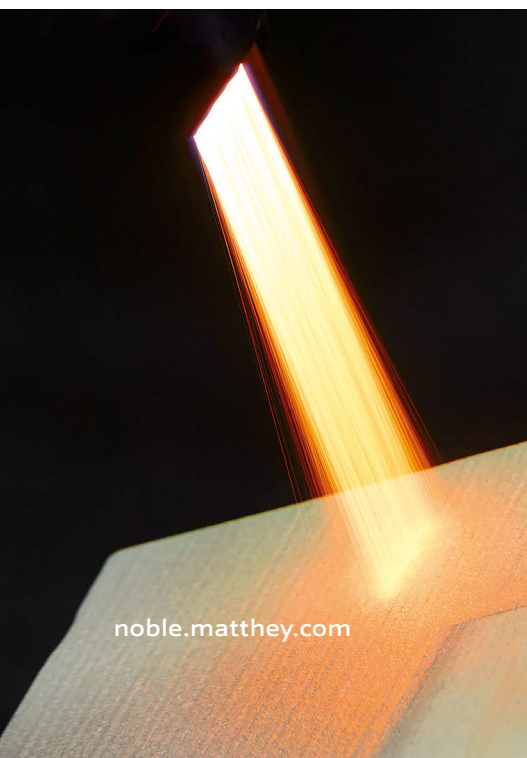
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