

Noltina® Syncarb Z2e2

Noltina® SYNCARB Z2e2 is a clay-bonded crucible with a high silicon carbide and graphite content of premium quality, which is produced in an advanced isostatic pressing process.

Our **Noltina® SYNCARB Z2e2** crucible shows superior thermal conductivity, high mechanical strength, good thermal shock resistance and erosion resistance over the entire operating temperature range for aluminum and zinc alloys.

These properties provide a durable and robust crucible with excellent performance characteristics in melting and holding applications for use in oil, gas and electric resistance furnaces.



The **Noltina® SYNCARB Z2e2** crucible is an evolution of Morgan Molten Metal Systems starting from the **Noltina® SYNCARB** crucible, which has achieved an excellent reputation worldwide for decades.

In practical tests the **Noltina® SYNCARB Z2e2** crucible showed in electric resistance-heated melting and holding applications energy savings of up to 15% relative to the molten quantity of aluminium. In addition, the service life of the crucible extended by up to 20% compared to the previous **Noltina® SYNCARB** crucible.

The new glaze system was specifically designed for a longer lasting protection against oxidation, which resulted in a longer lasting high thermal conductivity of the crucible.

Since the **Noltina® SYNCARB Z2e2** crucible consists of the same raw materials as the well-known **Noltina® SYNCARB** crucible, it has no negative impact on the melt.

The **Noltina® SYNCARB Z2e2** crucible can be recognized by the light grey oxidation protection coating. The heating of the crucible is identical to that of the **Noltina® SYNCARB** crucible.

The outstanding results have led to the decision to replace the previous **Noltina® SYNCARB** crucible with the **Noltina® SYNCARB Z2e2**.

We recommend the immediate transition from the previous **Noltina® SYNCARB** standard product to the higher quality version **Noltina® SYNCARB Z2e2**.