

MIC Powder

A powerful collapsible agent and a finishing additive developed to loosen the strength of Sodium Silicate bonded CO₂ sand moulds/cores by weakening the surface tension forces developed thereby allowing for easy breaking of the cores/moulds

Advantages:

- ✓ Easy collapse of cores and thereby eliminating cooling cracks in the castings
- ✓ Eliminates internal stresses developed during solidification
- ✓ Eliminates casting deformation in heavy castings during natural aging
- ✓ Eco - Friendly product



Without MIC Powder



With MIC Powder

"Performance of MIC Powder"

Collapsibility of Mould seen just by lifting



Typical Analysis

Item	MIC Powder
Fixed Carbon	25%
Volatile matter	40%
Solids	Balance
Size	< 0.5 mm

Method of Use :

1. Add 1.0% by weight of MIC Powder to sand
2. Thoroughly mix for 1-2 minutes
3. Add 4 - 6% of Sodium Silicate with 1.4 - 1.6 Specific Gravity and thoroughly mix the sand for additional 2-3 minutes
4. Sand is ready for core/mould making

We don't sell products, but, Innovations

