

Mouldex

DESCRIPTION

Mouldex is a special coating specifically developed for copper mold production. It is used by copper smelters on mold casting, used later at the casting wheels.

It is based on synthetic bone ash (calcium hydroxyapatite), enhanced with a powerful additives package that includes lubricants, dispersants, and binders.



This product is completely inert which not produce any gases or chemical residues in contact with molten copper, preventing any kind of contamination or damage to the mold surface it's being molded.

CHEMICAL COMPOSITION

CaO	52 - 56%
P ₂ O ₅	40 - 44%
S	< 0.15%
Fe ₂ O ₃	< 0.10%
SiO ₂	< 0.80%
CO ₂	< 0.50%
MgO	< 0.70%



PHYSICAL PROPERTIES

APPARENT DENSITY	0.8 – 1.0 g/cm ³
SPECIFIC GRAVITY	2.6 - 3.0 g/cm ³
CALCINATION LOSSES	< 1.5%
HUMIDITY	< 1.0%
GRANULOMETRY	95% < mesh 325

BENEFITS

- ✓ Specialized product
 - Developed for molds and copper parts casting in particular
- ✓ High adhesion to the matrix mold
 - Optimum particle size distribution
- ✓ Excellent surface finishes
 - Smooth and uniform mold surfaces
 - Avoid porosities, cracks, and protuberances
- ✓ Extend life expectancy of molds
 - Better quality of the molds
- ✓ Easy to use
 - Can be applied manually using brushes or spray gun

SAFETY

- Inert
- Innocuous
- Nontoxic
- Nonflammable

PACKING

- Bag or sack 25kg (55 lb)
- 1-ton pallets
- Fiber drum (100 kg)

APPLICATIONS

- Mold production and manufacturing
- Anode casting with high quality molds