Casting Auxiliaries
ALURIT
BASOTHERM
SYNTHERM
TAM
THERMOLUX
TOPEX

...Powder, Granules, Briquettes
INTOCAST – Competence and Diversity

The development of casting auxiliaries is a challenge that requires innovation and value adding solutions. INTOCAST stands for superior competence and a wide range of products for continuous and ingot casting, as well as for covering agents and synthetic slags.

Experience, Development, Innovation

Since 1979 INTOCAST develops, produces and supplies minerals, refractories and casting auxiliaries. In this context INTOCAST holds a large number of international patents.

A unique portfolio, full of innovations, enables the customer to optimize his processes and products through raised efficiency.

For the development and the assurance of excellent product quality, INTOCAST utilizes laboratory facilities of state of the art technology.

Besides a list of standard products tailor-made solutions are found in cooperation with customers for new technologies.
Viscosity Curves

Hot Stage Microscope

X-Ray Spectrometer

Leco RC412 (CO2 and H2O)
Leco CS225 (C and S)
Powder, Granules, Pellets, Briquettes

With more than 25 years of experience INTOCAST has developed a wide range of standard products capable of coping with all requirements of the casting process. In cooperation with the customer the entire know-how of INTOCAST is applied to customize products for the individual process and plants.

Continuous casting powders and granules

- SYNTERM S
  Continuous casting powders for slabs
- SYNTERM B
  Continuous casting powders for blooms and billets
- SYNTERM GS
  Continuous casting granules for slabs
- SYNTERM GB
  Continuous casting granules for blooms and billets
- SYNTERM GTS
  Continuous casting granules for thin slabs
- SYNTERM GBB
  Continuous casting granules for beamblanks

Ingot teeming products

- SYNTERM, SYNTHEX, THERMOLUX
  Ingot teeming powders and granules for the rising cast
- ALURIT, LUNKERIT
  Exothermic antilisting compounds for ingot teeming and steel casting
- SYNTHEX, TOPEX
  High exothermic top-slags for the treatment of ingot heads
Covering agents

- BASOTHERM
  basic, insulating tundish and ladle cover
- BASOTHERM SG
  granulated basic tundish and ladle cover
- TAM
  acid, insulating tundish and ladle cover
- ISOPERL, TAM SGL
  granulated, acid tundish and ladle cover
- TAM Pellet
  pelletised rice ash (dust free)
Applied value in use

INTOFEEED and INTOMOVE are perfect tools for conveying and dosing granules and fine powders into the continuous casting mould. Costs are reduced and efficiency is improved. When operational safety and precise feeding of mould powders and granules are of high importance then INTOFEED and INTOMOVE are the perfect choice of technology.

Automatic Feeding

INTOCAST supplies automatic feeding machines for fine powders and granules. INTOFEED and INTOMOVE feed precise quantities of granules and powder with optimized distribution in the mould.

Disturbances in the meniscus and mould level fluctuations due to inconsistent feeding are eliminated.

An optional link to the process control system relates and automates the feed to the casting parameters such as mould width or casting speed.

All plants operating an INTOCAST feeding machine showed significant quality increases on the final products.

On request INTOCAST provides an automatic feeding machine in combination with the use of INTOCAST mould powders and granules.
Production and Distribution

INTOCAST produces in own manufacturing plants. This enables maximum flexibility with regard to special customer requirements such as batch sizes and packaging.

The spray towers for the production of casting granules represent state of the art technology. The annual capacity is 35,000 tons. Sizes between 1 kg bags and 1,500 kg bigbags are available.

At the INTOCAST plant in Krefeld the annual production capacity of fine powders and covering agents is 50,000 tons with a total of 7 mixers. Mixing batches may vary between 1 ton and 30 tons.

A delivery in skip trailers, containers or silo trucks is also possible.