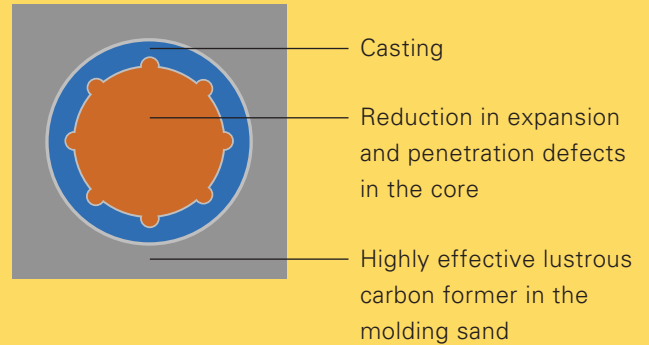




Double benefits: The effects of ANTRAPEX®

The doubly positive effect of ANTRAPEX® gives it a significant lead over conventional core sand additives.



Advantages in Abundance

ANTRAPEX®, with double benefits – in the core and in the molding material

ANTRAPEX® is a service-proven core sand additive that positively influences both the core and the bentonite-bonded molding material. The additive is mixed with core sand and thus contributes to reducing expansion and penetration defects. After core breakdown, ANTRAPEX® passes into the molding material where it has a positive effect on the casting surface and sand stability. The amount of adhering molding sand is also minimized.

The Product

ANTRAPEX® is a blend of organic and inorganic components. The core sand additive has been developed by IMERYS especially for the PUR Cold Box process.

Properties

ANTRAPEX® offers the following outstanding technological properties and benefits:

- Following casting production, compressive stresses in the core are reduced. As a result, expansion defects such as finning (veining) are reduced or completely avoided.
- The organic components improve the finish of the casting.
- The need for coating is reduced and may even be eliminated.
- ANTRAPEX® has no negative influence on the flowability of the core sand.

Your benefits

ANTRAPEX® facilitates the production of high-quality castings:

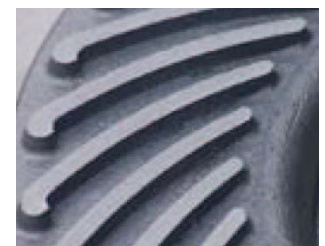
- Casting surfaces of near-perfect finish
- Significantly reduced expense in terms of core coating operations
- Following core breakdown, the residues develop lustrous carbon
- Good recyclability.
- Reduced gas formation in the core

Minimal Gas Formation

Compared with other organic additives, the proportion of volatile components in ANTRAPEX® is minimal. The degree of gas formation is lower - with maximum gas release postponed to a later point in the process. Gas defects in the core are thus reduced.



Casting without ANTRAPEX® can cause finning and veining.



The use of ANTRAPEX® in the core sand reliably eliminates the likelihood of finning and veining!