



Press Release

Low emission cold-box binder systems of the next generation

Hilden, 9th January 2012 – Technologically advanced binder systems make an important contribution to avoiding emissions and saving energy. With the new HE (High Efficiency) technology, especially developed for the cold box core binder segment, ASK Chemicals is setting new standards in this sector.

The research team at ASK Chemicals has developed a completely new organic HE (High-Efficiency) binder system. This new generation of low-emission cold box binders features high reactivity and productivity, with a 25 percent reduction in the use of binding agents and catalysts. In addition, the use of mineral additives can reduce the development of disagreeable odors. The low admixture quantities required for the HE binder system mean significantly lower emissions and lower costs.

ECOCURE[®] High Efficiency prevents condensate adhesion and reduces the time and effort spent on cleaning. The use of the new HE system can considerably increase the availability of tools and molds. Another win for profitability and productivity. Even thin core geometries, such as those required in cylinder heads or engine blocks, which are exposed to heavy thermal loads, can be manufactured using reliable processes and in an environmentally friendly manner.

No sooner was the new system introduced than it proved its worth. A brake disc manufacturer was able to significantly reduce its consumption of material by employing ECOCURE[®] HE and it has likewise been possible to prevent veining in the production of turbochargers with ECOCURE[®] HE. In addition, the quality of the surface finish has been improved and reworking costs cut. The quantity of binder use in the production of an engine block has been reduced by more than 20 percent and the cycle times cut by around 15 percent. These are impressive examples that highlight the efficiency of the new HE system.

With ECOCURE[®] High Efficiency, ASK Chemicals is setting new standards in the area of high efficiency cold box core binders. Customers of ASK Chemicals can keep ahead of the constantly increasing environmental standards, without having to accept compromises in product quality, thus securing key environmental and economic advantages.

“Pollution control and economic efficiency are two pillars of our strategy,” says CEO Stefan Sommer regarding the portfolio of ASK Chemicals, Hilden. “Under this premise we develop sustainable solutions for the foundry industry, and with all our products and services focus on what is known as Clean Tech. The use of our products and procedures increases efficiency, enhances output and productivity while also reducing emissions and protecting resources,” continues Sommer.

With its low emission foundry additives, the company makes a decisive contribution to meeting the future environmental and economic requirements of the foundry industry.

2882 characters including spaces

Graphic material for press release

Figure 1 – The HE - High Efficiency principle: Higher reactivity and productivity with reduced use of binders and catalysts.

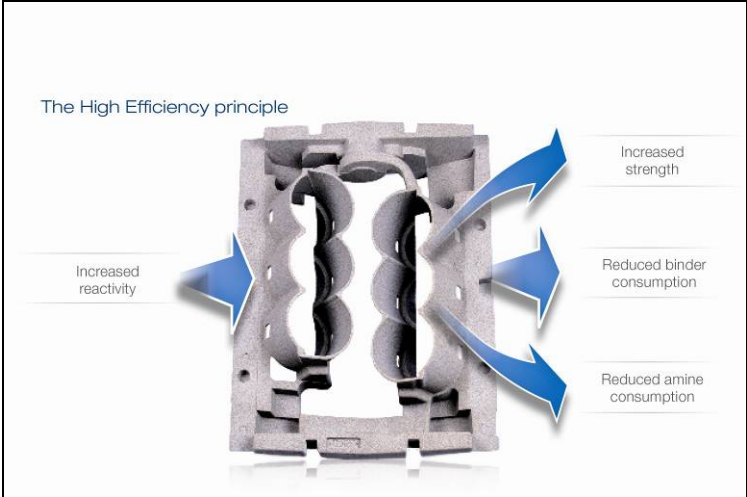
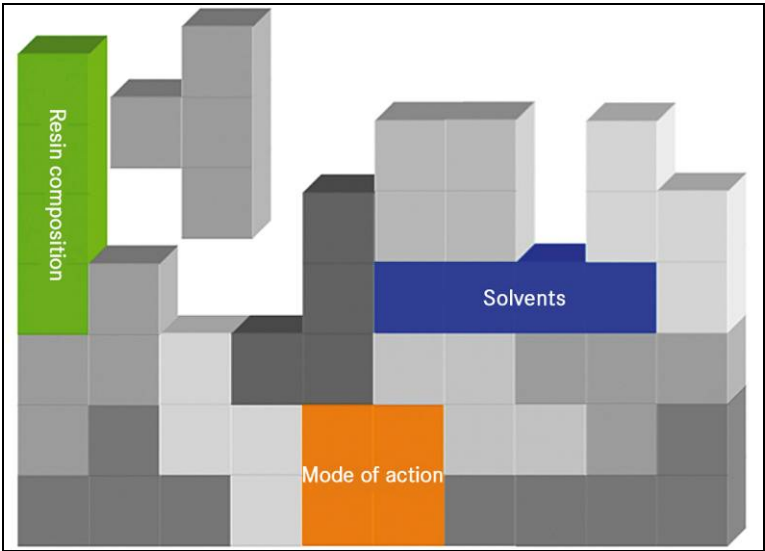


Figure 2 – The basis of the new ECOCURE® High Efficiency systems is formed by new resin compositions, new synthesis processes and novel solvents.





About ASK Chemicals

ASK Chemicals is one of the world's largest suppliers of foundry chemicals, with a comprehensive product and service portfolio of binders, coatings, feeders, filters and release agents, as well as metallurgical products including inoculants, inoculation wires and master alloys for iron casting.

The new company has 30 locations in 24 countries, in 16 of which it has its own production plant, and has a global workforce of around 1,600 people. With research and development in Europe, America and Asia, ASK Chemicals sees itself as the driving force behind industry-specific innovations committed to offering customers a consistently high level of quality. Flexibility, fast reaction, quality and sustainability as well as cost-effective products and services are of key importance here.

Contacts for Journalists

Company contact

ASK Chemicals
Dr. Ulrich Girrbach
Senior Vice President
Corporate Marketing & Communication
Reisholzstraße 16-18
40721 Hilden
Germany

Tel. +49 211-71103-0
Fax +49 211-71103-70

www.ask-chemicals.com
info@ask-chemicals.com

Press contact

ProTEC Marketing
Ms. Andrea B. Ferkinghoff
Managing Director
Würzburger Straße 23
97230 Estenfeld/Würzburg
Germany

Tel. +49 9305-98885-21
Fax +49 9305-98885-19

www.protec-marketing.de
Ferkinghoff@protec-marketing.de