

POLITEC*

Polyurethane cold box binders

VESUVIUS

POLITEC – polyurethane cold box binders

for ferrous and non-ferrous foundries

The need for cold box binder technology that delivers higher productivity and improved casting quality with reduced environmental impact has led to the development of a range of high performance POLITEC binders, for use in ferrous and non-ferrous foundries.

POLITEC binders

A range of binders which offer excellent core strength, ensuring consistent production of even the most complicated cores with reliable dimensional accuracy. The bonded core is very stable, allowing for the use of water-based coatings without degradation. The high reactivity of the products ensures amine consumption is minimised, whilst reducing gassing times and improving productivity. Viscosity of the products is optimised to provide improved sand flowability, whilst reducing resin wipe-off and core sticking.

POLITEC E binder range

To meet the most stringent technical and environmental requirements a range of cold box binders which contain non-aromatic solvents have been developed. These products provide a significant reduction in both the odour and the emissions released during the casting process.

POLITEC E binders have been modified to provide superior core breakdown during the casting operation. This can significantly reduce the time involved in core removal, and the need for mechanical operations which can damage the cast component.

Ferrous applications POLITEC XP binder range

A standard range of cold box binders based on aromatic solvents providing high strength and prolonged bench-life.

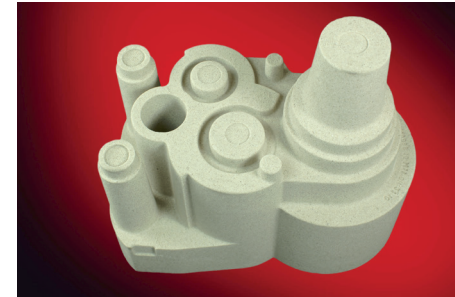
Benefits

- + High immediate strengths
- + Low amine consumption
- + High moisture resistance
- + Reduced odour and emissions
- + Excellent core breakdown
- + Reduced resin wipe-off
- + High productivity

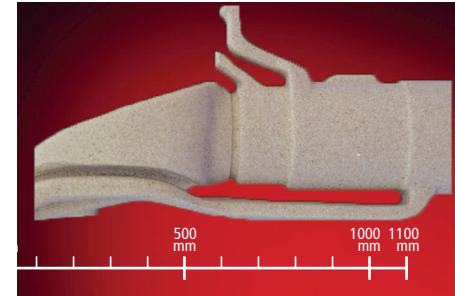
Core package



POLITEC E



Complex core for aluminium casting, made in POLITEC E binder



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