

Hevi-Sand® is produced from high-grade foundry chromite which has been specially treated for use as a mould & core media in the production of quality castings.

Hevi-Sand® is selectively mined from Amcol's own sources which are among the richest and purest deposits in the world, this naturally occurring chrome ore undergoes several intensive cleaning and screening processes to enhance moulding & casting properties - available in various grades in quality 1t bags or bulk tanker.

Properties of Hevi-Sand®

Its density, compared to silica sand, provides the mold or core with a high rate of heat transfer - giving excellent chilling characteristics – in some cases eliminating the need for metal chills.

Chipping, grinding and overall cleaning costs can be significantly reduced.

Minimal binder requirements and excellent permeability can reduce the incidence of gas defects.

High Resistance to penetration - high thermal stability & heat transfer in comparison to silica sands make it the preferred aggregate for large iron, steel, copper base and high alloy castings

Hevi-Sand® is successful in reducing or eliminating penetration, burn-on and veining on castings of this type.

Hevi-Sand® is not easily wetted by liquid metal giving excellent refractory properties to mold and core surfaces improving resistance to attack from metal oxides and slag resulting in excellent peel characteristics and good surface finish.

Hevi-Sand® Undergoes very low volume change when subjected to thermal shock. This thermal stability helps to prevent expansion defects such as veins and scabs (rat-tails & buckles) and enhances overall casting dimensional accuracy.

