

DECREASED SLAG CONSUMPTION AND INCREASED REUTILIZATION OF SLAG IN THE STEEL INDUSTRY

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New process developments have decreased the necessary slag volumes in blast furnaces and in electric arc furnaces. The use of new iron ore pellets have decreased the slag amount with 50% in the blast furnace and the ladle furnace technology has made it possible to have an one-slag practice in the steel furnace instead of the two or even three slags which was the practice a few decades ago. To increase the reutilization of iron- and steelmaking slags you sometimes have to modify the slag properties already in the process itself. Besides the technical description of the slag there is an increasing demand for more environmental information. This means that the same kind of information must be available for the virgin materials, which are alternatives to slags.