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sind BauWertstoffe!

New headquarters of Uniper in Düsseldorf constructed with BauMineral products



BauMineral is a reliable partner of the Uniper power plants, and since 1989 it has marketed more than 70 million t of power plant by-products – hard coal fly ash, bottom ash and gypsum. That roughly corresponds to the volume of a cuboid with a base area the size of 18 football pitches and the height of the television tower (368 m) in Berlin. 100 % of coal combustion by-products (CCP's) are marketed in the building materials industry, they conserve natural resources and have a considerable economic benefit - not only for the building materials producer but also for Uniper.

The operation of modern hard coal-fired power plants is optimally oriented towards the utilisation of the by-products. Landfills for depositing by-products have now been a thing of the past for at least quarter of a century. All the employees of BauMineral work every day to ensure that it stays that way, although the boundary and framework conditions under which the hard coal-fired power plants are operated change dynamically. Also the building materials industry on the marketing side requires permanent adjustments so as to maintain the complex bridge function between the power plant and the construction industry.

BauMineral is an established and stable foundation for Uniper's business.

This is currently demonstrated at the building site for the new Uniper office building in Düsseldorf's harbour district. Both the building skeleton and the foundation consist of concrete. Each cubic meter of the concrete is held together by approx. 60 kg of certified hard coal fly ash EFA Fueller® which is delivered just in time to the concrete producer by BauMineral lorries from Uniper power plants. In ancient times, natural volcanic ash was already used as a building material for buildings, some of which still stand today. Like volcanic ash, EFA Fueller® also contributes to sustainable building. EFA Fueller® can replace up to approx. 50% of the cement requirements in concrete. Cement production causes about 10% of global CO2 emissions. Alongside power plants and the building materials industry, the environment also benefits from the BauMineral business – **a classic win-win-win situation!**



Fly ash collection at the power station



Fly ash delivery to the concrete plant



Construction site in Düsseldorf's harbour district