

K M K GRANIT, a.s.

to the attention of JUDr. Zuzana Kolbasová, MBA, LL.M

Having integrated **IZ-45 (63 micron)**, **PLA (0-1mm)**, and **C795 (0-500 micron)** of KMK GRANIT a.s. into some of our products, we have found them to be transformative components across a diverse range of high-performance applications. Our testing phase spanned from the formulation of thin-film, anti-abrasion coatings for high-value-added metal protection to the development of massive, geopolymer-based refractory systems that eliminate the need for traditional firing. In these contexts, **IZ-45** and **PLA** proved to be exceptional alternatives to conventional industry standards typically reliant on high alumina or mullite content. Furthermore, the strategic inclusion of **C795**—a product featuring over 85% alumina—has consistently guaranteed superior abrasion resistance and chemical stability in several of our specialized developments.

What sets these products apart is the seamless synergy between technical excellence and environmental responsibility. By utilizing these materials as secondary raw materials, we will successfully optimize the **LCA (Life Cycle Assessment)** and **EPD (Environmental Product Declaration)** of our final catalog, offering a significant sustainability advantage in an increasingly regulated market. Furthermore, the ability to receive a customized granulometric curve has allowed us to achieve superior particle packing and material density, resulting in a truly “complete” and high-performing product. These materials represent the ideal intersection of circular economy principles and uncompromised industrial performance.

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