

NEOS 53

Neos 53 is an inorganic binder which is introduced into the composition in order to increase the mechanical dry strength in compositions with great tendency to the appearance of black core. When you produce; Slim tile, High thickness, or Super Large format, it is the perfect additive. Their addition can be performed during the milling process, not interfering in the rheology of the slip. The preferred percentages range from 0.5-2%, depending on the desired final mechanical resistance. The lubricating effect improves the pressing process in compositions with low content of plasticizer material. Furthermore, it is a suitable additive to combine with other organic binders, in order to obtain a further increase in mechanical strength without increasing the tendency of black core

Used in:	Advantages
Inorganic Binder for increasing dry mechanical strength of the ceramic body compositions to produce slim tile, high thickness and large format.	<ul style="list-style-type: none"> ▪ Increase the MOR until 300% more than standard composition ▪ Corrector of MOR for large format or slim tile with lack of mechanical strength. ▪ Not generate black core and can be used for high thickness tile.

Chemical Basis	Characteristics
Inorganic binder	<ul style="list-style-type: none"> ▪ Appearance: White-brownish powder ▪ Bulk Density: 0.82 g/cm³ ▪ pH: approx. 11

Shelf-life	Packaging
24 month under proper and dry conditions.	<ul style="list-style-type: none"> ▪ Bags of 25 Kg ▪ Jumbo Bags of 1000 Kg

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