

Product Data Sheet:

R-E-D Dynapozz 110-CR Metakaolin

R-E-D Dynapozz 110-CR Metakaolin is a calcined aluminum silicate clay that, when used in concrete, significantly enhances performance while decreasing the environmental impact.

Dynapozz 110-CR is carefully sourced and processed clay that has been activated with temperature to form a highly reactive metakaolin. The product is manufactured under strict process controls, unlike other supplementary cementitious materials, which are industrial by-products.

The pozzolanic reaction occurs early in the hydraulic setting period and continues to occur during hydration, enhancing the properties of the installed concrete. It is the superior SCM for strength and early strength, exceptional sulfide resistance, and low permeability. It also is designed to mitigate alkali-silica reactivity. Typical Pozzolan replacement is five to twenty (5-20%) percent by weight.



Metakaolin Cement Replacement	Control	10%	15%
1 Day Strength psi (3 each)	3000	2920	3160
7 Day Strength psi (3 each)	4960	5770	6410
28 Day Strength psi (3 each)	5630	7360	7690

Sizing: 2" by down chunk to 325 Mesh

Color: Grey Buff Powder/White in chunk form

Packaging: 40 LB Bags/50 Per, 2400 LB Bulk-Bag, Bulk Pneumatic Tanker, Bulk Railcar

Storage: Keep under cover in dry storage conditions

Safety: Nonhazardous & amorphous material, SDS available upon request

Chemical Analysis

SiO ₂	53.6
Al ₂ O ₃	37.6
Fe ₂ O ₃	2.8
TiO ₂	1.72
K ₂ O	1.27
MgO	0.51
CaO	0.26
Na ₂ O	0.11
P ₂ O ₅	0.03
SO ₃	0.02
SrO	0.05
LOI	2.39
Na Equivalent Alkali	0.94



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