



SIKA AT WORK

MIXERCON, LIMA, PERU

SikaGrind®-720 & SikaGrind®-795 PE

BUILDING TRUST



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COMPANY DESCRIPTION

The Cement Division of Mixercon started operations in 2013 and commercializes highly resistant cement. Mixercon counts with two cement plants: The Villa 1 plant with a capacity of 45 t/h and the Oquendo plant with a capacity of 65 t/h. Both reach a total production of more than 800,000 tons of cement per year. Currently 5 types of cements are produced: Type I, Type HS, Type ICo, Type IP and Masonry Cement.

PLANT REQUIREMENT

The requirement was to deliver additives for the cement grinding process, which act as high-performance quality improvers, achieving significant increases in resistance levels (around 10% to 15%) and being able to increase the production (minimum in 10%).

SIKA SOLUTION

Laboratory and industrial tests were carried out with different additives from the SikaGrind® Range which led to significant improvement of the grinding system. The specific electrical consumption (kWh/t) was reduced by up to 24%, resulting in an increase of production of more than 12 t/h. Parameters such as Blaine, fineness and compressive strength of the cement were improved with the use of the SikaGrind® additives,

reflecting a better particle size distribution of the cement and greater efficiency for the entire grinding system.

Based on the optimization process and the quality of the cement, SikaGrind® 720 showed the highest potential to achieve increases in the production ratios. Its use as a grinding aid and quality improver was confirmed.

During 2020 a new product was developed: SikaGrind®-795 PE. With the new product, it was possible to reduce the dosage by 20% while maintaining the quality and operational parameters achieved with the previous product.

SikaGrind®-795 PE is a grinding aid and quality improver for the cement production. It has been designed to produce cements of superior quality with improved strength in all ages.

PROJECT PARTICIPANTS

Client: Mixercon S.A. Peru
Contractors: Villa 1 & Oquendo
Sika organization: Sika Peru S.A.C.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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