



SIKA AT WORK

CEMENTO YURA, AREQUIPA, PERU

SikaGrind®-795 Activator PE

BUILDING TRUST



CEMENTO YURA, AREQUIPA



COMPANY DESCRIPTION

In 1966, Yura S.A. was established to become one of the most important development hubs in the southern region of the country. Yura specializes in the production and marketing of high-quality cement, mainly cements with added pozzolan. The Yura Plant has a production capacity of more than 3 million tons of cement per year, using mainly vertical roller mills (VRM). It currently produces cements according to ASTM C 1157: Type HS, Type HE, Type MS and Type MH.

PLANT REQUIREMENT

Yura seeks to optimize profitability and sustainability in its operations. To this end, it established as a main objective to reduce the clinker/cement factor in the production of its cements, replacing 2% of clinker with pozzolan, without affecting the quality parameters of its products.

SIKA SOLUTION

In 2024, extensive laboratory tests and industrial trials were carried out with high-performance quality-improving additives. At the end of the evaluation process, it was decided to use the SikaGrind®-795 Activator PE additive to replace the reference additive used as a grinding aid. In terms of operating parameters, the production of the vertical mill increased by 8%, energy consumption was reduced by 4% (-1.10 kWh/t), and vibration was significantly reduced, which allowed the grinding system to remain stable under various operating conditions.

Regarding quality, the use of SikaGrind®-795 Activator PE chemically activated the cement, leading to a significant increase in strength at all ages, managing to reduce the clinker/cement factor by increasing additions by 3%, contributing to the company's profitability and sustainability objectives.

PROJECT PARTICIPANTS

Owner: YURA S.A.
Plant: Yura, Arequipa, Perú
Supplier: Sika Peru S.A.C.

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SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Phone +41 58 436 40 40
www.sika.com

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