



CEMENT LIME | GYPSUM

www.zkg.de

MILIK/KOLEKSI

PUSAT PERPUSTAKAAN DAN PENYEBARAN

TEKNOLOGI PERTANIAN





ISSUE 5-6 2020
ISSN 2366-1313
Volume 73 „ZKG INTERNATIONAL“
Volume 109 „ZEMENT“

4 SPOTLIGHT

INTERVIEW

14 From people to people for generations

Interview with Lutz Weber and Bernhard Auer, Alpacem GmbH, Klagenfurt/Austria

COMPANY PROFILE

20 Getting it done!

Dipl.-Ing. Anett Hümmer, ZKG Cement Lime Gypsum

23 Efficiency, sustainability and digitalization

Interview with Mathias Dülfer, Gebr. Pfeiffer SE, Kaiserlautern/Germany

MARKETS AND TRENDS

26 China's cement industry under the Belt and Road Initiative

Dr. Joachim Harder, OneStone Consulting Ltd., Varna/Bulgaria

PROCESS

35 Bigger and better

Ömer Oydaşık Siemens AG

PLANT REPORT

36 Cement manufacturer achieves significant savings with PTEZ Belt Trainer

Flexco Europe GmbH

MATERIALS

38 Introducing activated clays on an industrial scale

Dr. Gunnar Markert, Project Lead for the Activated Clay Business at the Business Unit Cement Technologies of thyssenkrupp Industrial Solutions AG, Neubeckum/Germany

PROCESS

42 Application technology of calcium carbide slag: a case study concerning China's cement industry

Liu Yaojun¹, Wang Lan¹, Cui Yuansheng², Zeng Xianjun³, Fang Jingrui¹, Liu Jinjiang^{1,4}, Kang Yanwen¹

¹State Key Laboratory of Green Building Materials, China Building Materials Academy, Beijing/China

²Institute of Technical Information for Building Materials Industry of China, Beijing/China

³Shaanxi Beiyuan Chemical Group Co., Ltd., Yulin, Shaanxi/China

⁴Department of Environmental and Chemical Engineering, Tangshan College, Tangshan, Hebei/China

ENGINEERING

52 Tuning the availability for drivetrains of cement mills

GfM Gesellschaft für Maschinendiagnose mbH



Anett Hümmer, ZKG

// Page 14

From people to people for generations



Gebr. Pfeiffer SE

// Page 20

Getting it done!



Huaxin

// Page 56

Cement industry in China assisted with disposal of Covid-19 healthcare waste

Official Journal
Federal German Association of the Lime Industry
Bundesverband der Deutschen Kalkindustrie e.V.
Federal German Association of the Gypsum Industry
Bundesverband der Gipsindustrie e.V.

- 54 **OCCUPATIONAL SAFETY**
Safe confined space entry for chutes, silos and hoppers
Martin Engineering

- 56 **COVID-19**
Cement industry in China assisted with disposal of Covid-19 healthcare waste
Dr. Kåre Helge Karstensen, Chief scientist, Foundation for Scientific and Industrial Research – SINTEF, Oslo/Norway
Dr. Wang Jiajun, Assistant to Vice President of Huaxin Cement Co., Ltd., Wuhan/China

- 61 **PATENTS**

- 64 **COLUMN**

- 65 **IMPRINT**



5-6.2020

ZKG
CEMENT
LIME | GYPSUM
www.zkg.de

The Alpacem Group, with its two cement locations in Austria and Slovenia, focuses on the five strategic areas of innovation, growth, people, unity and excellence. Alpacem is constantly working on the further development of both plants. In the Slovenian plant Anhovo (cover picture), as in the Austrian plant Wietersdorf, new process control, data management, process information and mill control systems were implemented. You can read more about this in the interview starting on page 14.
www.alpacem.com

Photo: Alpacem



GEDA®
ORIGINAL

EFFICIENCY
MADE IN
GERMANY
INDUSTRIAL ELEVATORS

GEDA SH 1000
Harburg, Germany

THE NEXT LEVEL