



**ADING TECHNOLOGIES AND SOLUTIONS
FOR THE CEMENT INDUSTRY**



MINIMUM CARBON FOOTPRINT

INCREASING PROFITABILITY - DECREASING
ADVERSE EFFECTS ON OUR ENVIRONMENT



INTRODUCTION

ADING continuously innovates and creates new solutions for the cement industry. Cement, as the basic product of the construction industry, has been the focus of our R&D team for many years, and our goals are:

ASSISTANCE IN CREATING HIGH-QUALITY CEMENT WITH IMPROVED PERFORMANCES

DECREASING THE ENERGY CONSUMPTION FOR CEMENT PRODUCTION AND OPTIMIZING THE COST OF THE PRODUCTION

DECREASING THE EMISSION OF CO₂ DURING THE PRODUCTION PROCESS AND REDUCING THE NEGATIVE IMPACT ON THE ENVIRONMENT

OFFERING SUPPORT FOR SUSTAINABLE DEVELOPMENT FOR OUR PARTNERS IN THE CEMENT INDUSTRY

The experience gained through our work over the years has inspired us to create a flexible and adaptable approach to each client individually, and offer tailor-made solutions.

The preparedness of our experts for on-site appearance and work at all times, our direct approach, and the constant communication with the development teams in the cement factories are guaranteed to give excellent results.





TECHNOLOGIES AND SOLUTIONS

01

Additives that improve the grinding efficiency of clinker, fillers and raw materials for cement production

Name of additive	Dosage [g/t]	Mill type
INTENZIFIKATOR AM	200-400	HORIZONTAL
INTENZIFIKATOR SB10	200-600	HORIZONTAL

02

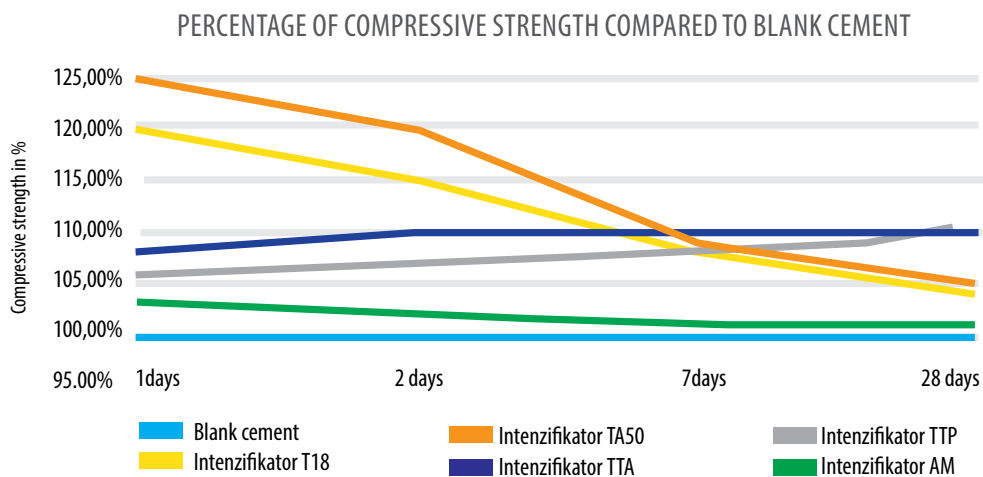
Additives that improve the grinding efficiency of clinker/fillers and enhance the early strength of the manufactured cement

Name of additive	Dosage [g/t]	Mill type
INTENZIFIKATOR TA50	200-600	VERTICAL /HORIZONTAL
INTENZIFIKATOR T18	1000-1500	HORIZONTAL
INTENZIFIKATOR TDK18	200-600	HORIZONTAL
INTENZIFIKATOR	200-400	HORIZONTAL
INTENZIFIKATOR KC	200-600	HORIZONTAL

03

Additives that improve the grinding efficiency of clinker/fillers and enhance the late strength of the manufactured cement

Name of additive	Dosage [g/t]	Mill type
INTENZIFIKATOR TTP	200-400	VERTICAL /HORIZONTAL
INTENZIFIKATOR TTA	200-400	VERTICAL/HORIZONTAL
INTENZIFIKATOR 30V	200-500	HORIZONTAL





PRODUCTS AND CHARACTERISTICS

	INTENZIFIKATOR	INTENZIFIKATOR TTP	INTENZIFIKATOR T18	INTENZIFIKATOR TA50	INTENZIFIKATOR AM
Cement type	Most types of cement, from CEM I to CEM V	For cement with increased content of additives	Most types of cement, from CEM I to CEM V	For cement with increased limestone-content	Most types of cement, from CEM I to CEM V
Mill type	Horizontal	Horizontal and vertical	Horizontal	Horizontal and vertical	Horizontal
Grinding effect	Increases the mill capacity by 10-20%	Increases the mill capacity by 10-20%	Increases the mill capacity by 5-15%	Increases the mill capacity by 10-20%	Increases the mill capacity by 5-15%
Early strengths	Increases the early strengths by 5-10% compared to blank cement	Increases the early strengths by 5% compared to blank cement	Increases the early strengths by 10-20% compared to blank cement	Increases the early strengths by 15-25% compared to blank cement	no effect
Late strengths	Increases the late strengths by 5% compared to blank cement	Increases the late strengths by 5-10% compared to blank cement	Increases the late strengths by 5% compared to blank cement	Increases the late strengths by 5% compared to blank cement	no effect
Dosage	200-400 g/t	200-400 g/t	1000-1500 g/t	200-600 g/t	200-400 g/t
	INTENZIFIKATOR SB10	INTENZIFIKATOR TDK18	INTENZIFIKATOR KC	INTENZIFIKATOR TTA	INTENZIFIKATOR 30V
Cement type	For grinding raw materials for cement production	For cement with increased content of additives	Most types of cement, from CEM I to CEM V	For cement containing pozzolanic and limestone additives	For cement with increased limestone content
Mill type	Horizontal	Horizontal	Horizontal	Horizontal and vertical	Horizontal
Grinding effect	Increases the mill capacity by 5-15%	Increases the mill capacity by 5-15%	Increases the mill capacity by 5-15%	Increases the mill capacity by 10-20%	Increases the mill capacity by 10-20%
Early strengths	no effect	Increases the early strengths by 10-20% compared to blank cement	Increases the early strengths by 10-20% compared to blank cement	Increases the early strengths by 5% compared to blank cement	Increases the early strengths by 5% compared to blank cement
Late strengths	no effect	Increases the late strengths by 5% compared to blank cement	Increases the late strengths by 5% compared to blank cement	Increases the late strengths by 5-10% compared to blank cement	Increases the late strengths by 5-10% compared to blank cement
Dosage	200-600 g/t	200-600 g/t	200-600 g/t	200-400 g/t	200-500 g/t



TEAM, LABORATORY, AND EQUIPMENT

The company's R&D sector consists of technologists and chemists who have inherited more than 50 years of experience in the production of construction materials. Our laboratories are equipped with all the necessary equipment and resources to carry out the necessary tests. The experts from our R&D team are constantly available for assistance and support during the industrial tests in the cement factories.





NECESSARY INFORMATION FOR DETERMINATION OF THE TYPE OF ADMIXTURE INTENDED FOR CEMENT PRODUCTION

1

What type of cement mill does your cement factory have, vertical or horizontal? Specify the conditions of the production process (capacity and typical production conditions).

2

List the basic information related to the mineralogical composition of the clinker.

3

Which type of cements do you produce (declaration according to EN), clinker content, types and quantity of additional compounds used?

4

Which type of cement is dominant in your production?

5

What are the typical problems that you face with during cement production (originating from the initial raw materials and the technological aspects of production)?

6

Does the need for bigger production capacity or the improvement of the performance characteristics of the cement prevails?

7

Which of the performance characteristics of the cement needs to be improved with the usage of the admixture for cement production?

8

Are you currently using any admixture for cement production? If so please state the performance improvement that you are getting from the admixture currently used.

9

Which are the negative experiences, if any, from using admixtures for cement production in your plant?





WHO WE ARE

ADING is a company for the production of chemical materials in the construction industry since 1969. Our product program consists of more than 120 products, divided into 12 product groups. The company is a leader in its field in Southeast Europe with a permanent presence throughout the region.



**CONSTRUCTION
CHEMICALS** SINCE 1969

ADING
ingredient of every structure 

Company for production of chemical materials for construction industry, since 1969
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