

# ADINGPAVER

*Admixture for production of prefabricated concrete and pave elements*

## FIELD OF APPLICATION

It is used in the industrial production of prefabricated concrete and pave elements, using concrete mixtures produced with extremely low water-cement ratio and S1 class of consistence (*semi-dry* concrete). Such concrete elements are often produced in moulds with machine that applies pressure and vibration.

## PROPERTIES

- Enables production using concrete with low W/C-factor and low consistency;
- Increases the compactness of the concrete using the same equipment (vibration and pressing);
- Enables water reduction up to 12%;
- Increases the concrete water-tightness;
- Increases the resistance of concrete elements to atmosphere influences, ice, defrosting salt and other chemical aggressions;
- Enables achieving smooth surfaces of the concrete prefabricates and paver elements;
- Enables effective deposition of the requested thickness of the surface layers of the concrete with finer granulation
- Enables better bonding between the concrete layers with different granulation;

## TECHNICAL FEATURES

| PROPERTY            | METHOD    | DECLARED VALUE                |
|---------------------|-----------|-------------------------------|
| Appearance          | Visual    | Blue liquid                   |
| Density (at 20°C)   | ISO 758   | (1.02±0.02) g/cm <sup>3</sup> |
| pH-value (at 20°C): | ISO 4316  | 7,0±1                         |
| Chlorides content:  | EN 480-10 | ≤0.1%                         |
| Alkali content:     | EN 480-12 | ≤0.5%                         |

## DOSAGE AND PERFORMANCE:

The best method to define the optimal dosage of Adingpaver is by industrial testing, with appropriate machine, materials, technology for application and conditions during the production. Recommended dosage of Adingpaver should be between 0,5 and 1,5% in relation to the quantity of cement. These dosages of Adingpaver enable water reduction in the fresh concrete by 6 to 12%. The dosing of the admixture is carried out in concrete mixer, manually or automatically, during the process of concrete production. It is best to apply the admixture together with the water for preparation of the concrete mixture. The time duration of mixing the concrete mixture with addition of the admixture should be longer for 50 % compared with the time of mixing of the concrete without the admixture.

**Effects of overdose:** Overdosing Adingpaver may lead to increase of the quantity of the entrained air (pores) in the concrete mixture

## COMPATIBILITY

Adingpaver is compatible with number of admixtures from the product range of ADING. If two or more admixtures are planned to be used in the concrete mixture, it is necessary to carry out tests. Different admixtures are to be administered individually, and they should not be inter-mixed together before adding to

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concrete mixture. Adingpaver is compatible with all types of Portland cement, including sulphate-resistant cements.


## PACKAGING

Plastic cans: 5 и 20 kg  
Drums: 200 kg  
Containers: 1000 kg

## STORAGE

In the original packaging at temperature between 5°C and 35°C, protected from direct exposure to sunlight.  
Shelf life: 12 months.

## CE MARKING

|  |   |
|--|---|
| <br>2032  |   |
| ADING AD Skopje,<br>Novoselski pat (ul 1409) br.11<br>1060 Skopje, North Macedonia<br>09<br>GAJA001/6<br>EN 934-2:2009+A1:2012<br><b>ADINGPAVER</b><br>Water reducing/plasticizing admixture for concrete<br>EN 934-2:T2 |   |
| Chloride ion content   | <b>≤ 0,1% by mass</b>   |
| Alkali content   | <b>≤ 0,5% by mass</b>   |
| Corrosion behaviour  | <b>Contains components only from EN 934-1:2008,<br/>Annex A.1</b> |

**Health hazard:** Adingpaver does not contain toxic substances; however attention must be paid to avoid contact with the skin, eyes or not to be swallowed. In case of contact to skin or to eyes, rinsing is required with clean running water. If swallowed, medical assistance must be immediately requested. Additional formations are provided in Material Safety Data Sheet for the material.  
**Fire:** Adingpaver is a non-flammable liquid. Additional formations are provided in Material Safety Data Sheet for the material.  
**Cleaning and deposit:** Adingpaver is cleaned with water. Old and used packaging must be disposed according to local regulations for that type of waste. Additional formations are provided in Material Safety Data Sheet for the material.