

ARCON-Fluid^{easy}

High-performance plasticiser for architectural and decorative concrete

- helps to reduce water
- helps to avoid segregations
- keeps the concrete's open time

Fields of application:

ARCON-Fluid^{easy} is based on latest polymer technology and was designed for concrete surfaces that need to meet highest standards, especially for all decorative and architectural concrete surfaces where surface finishes are smooth form-finished, or exposed aggregate, acid washed, sandblasted, polished

ARCON-Fluid^{easy} helps to produce concrete surfaces with a maximum uniformity. **ARCON-Fluid^{easy}** helps to reduce water and to lower the water/cement-ratio. **ARCON-Fluid^{easy}** also improves the rheology of the concrete mix which is key to avoid segregations and to improve strength.

Further **ARCON-Fluid^{easy}** was designed to keep the concrete's open time (time window between concrete mixing/ batching and start of hydration) even during hot weather conditions or with concrete mix designs that tend to show early hydration problems. A problem well known as source of plastic shrinkage cracks or difficulties during exposed aggregate productions (see **CSE Deactivator**).

With **ARCON-Fluid^{easy}** it is not necessary to alter mix designs. On the contrary; **ARCON-Fluid^{easy}**'s robust characteristics and all-round functions make it perform reliably even under varying parameters. This makes **ARCON-Fluid^{easy}** a perfect choice for a one-for-all admixture.

Product characteristics:

- improves the dispersion of cement particles significantly, especially in comparison to "conventional" plasticisers
- a homogenous cement paste is formed with low frictional forces, which improves the workability of the concrete
- improves compaction / reduces vibration time
- the concrete has a more homogeneous structure and does not tend to segregate or bleeding
- with a professional concrete mix composition, non-porous concrete surfaces and a uniform colouring can be achieved
- the formula does not contain solvent or classified components

Advantages:

- Water reduction and optimised flow characteristics
- reduces segregations
- creates a stable consistency and rheological characteristics of the concrete, also and especially during varying production parameters
- allows stress-free concrete batching, pouring, finishing ...
- "must have" for making exposed aggregate because concrete's open time is kept
- leads to an even and homogenous spreading of the aggregates
- irregularities in the concrete surface can be efficiently avoided and a constant quality concrete surface is ensured
- as a result of the lower water/cement ratio the concrete will have higher compressive strength



Tip: Do a slump test to find out the best dosage rate of **ARCON-Fluid^{easy}**



left side shows concrete without, right side shows concrete with **ARCON-Fluid^{easy}**



Consumption:

Depending on concrete mix design and other parameters.

Recommended dosage rate:
Start with 1 - 2 % per 1 kg cement and adjust according to performance.

Packaging:

30-200-1000 kg pail/drum/IBC

Storage:

Store inside a suitable warehouse (not outdoors).

Protect against pollution, direct sunlight and frost.

Under normal storage conditions (closed container, 20 °C) shelf life minimum 12 months.

Inquiry

Instructions for application:

Usual precautions and actions when handling chemicals should be observed (e.g. no eating, drinking, or smoking at the place of work). Additional instructions, which can be found on the corresponding product labelling or in the Safety Data Sheet, must be observed. If you do not have a copy of the current Safety Data Sheet, we will be pleased to send you one.

In order to determine the correct dosage rate add 2/3 of **ARCON-Fluid^{easy}** first and after the mixing water has been added. Consider to reduce the amount of mixing water because **ARCON-Fluid^{easy}** will allow to reduce the mixing water by up to approx. 30%. Check the consistency visually before adding the remaining 1/3 of **ARCON-Fluid^{easy}** then step by step. To achieve optimal results discharge the concrete batch by a suitable concrete spreading device, or discharging/pouring aid.



Please note, that it is always necessary to carry out pilot tests which realistically correspond to the planned production process and application procedure.

Conformity:

- complies with the DIN EN 934 – 2 Table 2: Plasticiser
- complies with the DIN EN 934 – 2 Table 3.1 und 3.2: Superplasticiser.

Legal notice:

The technical information contained herein, in particular relating to the function, use and handling of our products, is given to the best of our knowledge and is based on our present knowledge and experience of the products when appropriately stored and handled, and applied under normal conditions in accordance with the standard fields of application, as described in page 1. Due to the large variety of possible use and application scenarios, this data sheet raises no claim to completeness, but is solely intended to provide a non-binding decision support, which needs to be reconfirmed by the end-user through pilot tests. Pilot tests are always necessary and should be carried out following the advice given in the current Product Data Sheet and under realistic practical conditions, i.e. conditions must realistically correspond to the planned production process and application procedure. Case-related acquired knowledge is not directly transferable to similar applications. Product specifications are subject to alterations without notice.

Only the most recent issue of the Product Data Sheet is valid, which will be supplied on request or can be found on our website under www.hebau.de. Illustrations in our data sheets, brochures etc. are merely exemplary and not binding. Photos may have been edited.

We guarantee for the perfect quality of our material according to our specifications. We do not take any liability resp. warranty for the desired end result, as we solely act as supplier of the products and the application of the products and other influencing factors are beyond our control and our field of responsibility.

Our General Terms and Conditions apply. This information is valid for professional users. Our products are not recommended for private end-users.

Hazard + precautionary statements according to CLP regulation / (EC) No 1272/2008

The product is not classified according to the CLP regulation (Classification, Labelling and Packaging). Usual precautions and actions when handling chemicals should be observed. Please observe the Safety Data Sheet.