



## Technical Data Sheet

# WALEX-Ultra

## Surface Retarder Varnish

### Properties and Benefits:

WALEX-Ultra is a surface retarder (deactivator) varnish for the production of concrete surfaces in exposed aggregate finishes. WALEX-Ultra favours the clean and uniform exposing of the superficial aggregates to meet the highest quality demands. Furthermore, the product is characterized by its abrasion resistance, quick drying, easiness to spread or spray as well as its economical consumption. WALEX-Ultra is supplied in nine, well distinguishable versions:

Type	Color	Granulometry	Wash-out Etch
WU-1	blue	0-4 mm	ca. 0.5 mm
WU-2	brown	2-8 mm	ca. 1.0 mm
WU-3	green	4-8 mm	ca. 1.5 mm
WU-4	yellow	4-8 mm	ca. 2.0 mm
WU-5	red	6-12 mm	ca. 2.5 mm
WU-6	grey	8-16 mm	ca. 3.0 mm
WU-7	white	8-22 mm	ca. 4.0 mm
WU-8	orange	12-32 mm	ca. 5.0 mm
WU-9	purple	16-32 mm	ca. 6.0 mm

### Fields of Application:

WALEX-Ultra is particularly used when professional exposing is required. The product is mainly used in the production of precast elements from architectural concrete on different types of horizontal and vertical moulds, e.g. from steel, wood or synthetics.

### Technical Data:

Color:	see above
Form:	liquid
Storage:	In a dry and well ventilated place. Not affected by frost
Shelf-life:	12 months in closed original containers.
Delivery:	20 kg cans

### Consumption:

Depending on version and type of mould.  
80 to 140 g/m<sup>2</sup>

### Instructions for Use:

WALEX-Ultra can be easily homogenized before use and is applied onto the mould in a single, regular coat which contributes to a very economical application. Furthermore, the cleaning time and effort is minimized: residues are simply swept away after complete drying on the mould.  
Agitate WALEX-Ultra well before each application!

### Negative Technique (Coating on the mould):

WALEX-Ultra is applied with a roller brush as a thin and even coat onto the mould. Concrete can be poured after a short drying time, that ranges between 15 and 30 minutes depending on the ambient conditions.

### Positive Technique (Coating onto concrete):

The corresponding type of WALEX-Ultra is sprayed onto the levelled fresh concrete surface as a thin and even coat as soon as the superficial water has disappeared. The correct WALEX-Ultra type must be verified in practical suitability tests.  
Concrete formula, production conditions, thickness of the precast elements and their hydration temperature must correspond with the real production parameters. Segregation and very early setting of the concrete must be avoided in order to achieve optimal results. Setting of the concrete and/or heating of the mould should not start earlier than 1 h after compaction. Optimal vibration times should be tested in practical trials.  
All positive data that were found during trials should be transferred to the real production situation. Inevitable changes of the found parameters can usually be compensated by using other WALEX-Ultra types or changes in the production routine resp. concrete formula.

---

# WALEX-Ultra

## **Washing of the Elements:**

Usually after 24 hours. The elements should be kept, however, for 8 hours in the mould.

A later washing with WALEX-Ultra, e.g. after 48 or 72 hours, is possible when safeguarded in practical tests. A series of elements of the same production batch should be treated in the same way.

In order to compensate potential variations in the production parameters and to achieve a reduction in the wash-out depth, the washing of the elements may exceptionally be delayed for 2 to 8 hours after lifting from the mould.

Required periods are subject to trials.

The most rational method of washing is by pressure water. Dry brushing and later rinsing is also possible.

## **Cleaning of Tools:**

Tools can be cleaned with our AQUAFIN-Cleaner.

## **Special Information:**

- In particular electric devices which are used to process WALEX-Ultra (motors of dosage pumps etc.) are to be protected. Teflon gaskets are recommended.
- WALEX-Ultra is flammable.
- WALEX-Ultra is not dilutable with water.

## **Safety Information:**

Please adhere to the European Safety Data Sheet (MSDS)!