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Technical Data Sheet

WALEX-Aqua

Water based Surface Retarder Paste

Properties and Benefits:
WALEX-Aqua is a water based, solvent-free surface retarder fort he production of exposed concrete surfaces. WALEX-Aqua effects a clean and regular wash-out to meet highest requirements.
WALEX-Aqua is further characterized by its strong adhesion to the mould, quick drying, spray- and brushability and the low consumption. WALEX-Aqua is available in three types:

Type	Colour	Granulometry	Wasch-out depth
SE	light blue	0-4 mm	approx. 0.5 mm
4/8	mint green	4-8 mm	approx. 2.0 mm
8/16	white	8-16 mm	approx 3.0 mm

Fields of Application:
WALEX-Aqua is particularly used where professional wash-out is required, especially for precast elements that are produced horizontally or vertically on different types of moulds such as steel, wood, synthetics. The product is ideal for architectural concrete elements, often produced under difficult conditions.

Technical Data:

Color:	see above
Form:	paste
Storage:	Protect from frost; opened containers must be used without delay.
Shelf-life:	12 months in closed original containers.
Delivery:	4 kg containers 21 kg containers

Consumption:
Depending on version and type of mould:
up to 150 g /m^2

Instructions for Use:
WALEX-Aqua is easy to mix can be economically coated in a single layer per each application onto the mould. In addition, the cleaning effort for the moulds is minimal: after complete drying of the residues, the mould is simply swept clean. WALEX-Aqua must be homogenized before each use.

Negative Technique:
WALEX-Aqua is applied with a shorthaired lambswool roller or by suitable spraying equipment. The substrate must be free from release agent residues. Concrete can be poured after a short drying time that ranges between 20 and 30 minutes depending on the ambient conditions.

Positive Technique:
The corresponding type of WALEX-Aqua Ultra is applied onto the levelled fresh concrete surface in a regular coat as soon as the superficial water has disappeared.
The correct WALEX-Aqua type must be verified in practical suitability tests.
Concrete mix design, 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.

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

Cleaning of Tools:
No special cleaning agents are required, water is sufficient.

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