

RECKLI[®] CR Type N-WB

RECKLI CR Type N-WB

Product 04235

Edition 01/23

concrete surface retarder – negative process

PROPERTIES

RECKLI CR Type N-WB is a solvent-free concrete surface retarder, ready to use, for the manufacture of exposed aggregate concrete by negative process. Yielding various elutriation depths, the following grades are available:

RECKLI CR Type N

grade	colour	grain size	elutriation depth
Nano	beige	0 - 3 mm	approx. 0,1 mm
Micro	turquoise	0 - 3 mm	approx. 0,2 mm
01	blue	0 - 4/8 mm	approx. 0,5 mm
02	brown	2 - 4/8 mm	approx. 1,0 mm
10	green	4 - 8/10 mm	approx. 1,5 mm
25	yellow	4 - 8/10 mm	approx. 2,0 mm
50	red	6 - 9/12 mm	approx. 2,5 mm
80	grey	8 - 11 mm	approx. 3,0 mm

The elutriation depths are typical guide values and depend on the cement class, the water/cement value, the shape of aggregates and the grain-size distribution. To determine the most appropriate grade, please contact our application engineers.

APPLICATIONS

RECKLI CR Type N-WB can be used for the manufacture of exposed aggregate concrete parts, such as façade claddings, noise protection walls, gardening or concrete ware. It is highly convenient for architectural concrete or elements demanding particularly difficult production conditions.

APPLICATION BENEFITS

RECKLI CR Type N-WB is available in eight grades, easily distinguishable by their colours. The product is handily stirred up. It is particularly economical since it needs to be applied only once per use. Furthermore, the moulds can be cleaned with minimal effort: when dried, the residues are simply swept off.

PROCESSING

Before processing, RECKLI CR Type N-WB must be stirred up thoroughly. It is supplied ready for use and must not be diluted with additional water. RECKLI CR

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Type N-WB is best applied onto the mould evenly and sparingly with a short nap paint roller. The concrete can be cast after a short drying period (30 to 60 minutes, depending on the temperature and ventilation).

The concrete composition, the course of manufacture and time, the element's thickness and the setting temperature must be established in a preliminary test under operation conditions. Segregation or too quick setting is to be avoided. The best setting time is approx. 1 hour, the best vibration period must be determined experimentally.

The data thus gained must be transferred to the production process. Unavoidable changes of parameters can usually be compensated by using another grade of RECKLI CR Type N-WB or by adjusting the concrete composition or the processing parameters.

When using new, plastic coated formwork, the surface's pH-level has to be checked. In case of alkaline surfaces, a neutralization of the formwork is recommended before the first application of RECKLI CR Type N-WB.

ELUTRIATION OF THE ELEMENTS

Elutriation is usually possible after 24 hours. However, the elements should remain in the formwork for at least 8 hours. The most economical procedure of elutriation is using a high-pressure hose. Dry brushing and subsequent washing is also possible.

CLEANING OF EQUIPMENT

For the cleaning of the tools and the equipment, use clear water.

CONSUMPTION

Approx. 80 to 200 g/m².

PACKAGING SIZES

cans: 18 kg

STORAGE

Store in a dry, well-ventilated place at room temperature (5 °C to 35 °C). Do not expose to direct sun irradiation, protect against frost. RECKLI CR Type N-WB is storable for 6 months from the date of manufacture when kept in the closed original packaging. Opened drums must be closed airtight right after use.

SAFETY

Protect skin and eyes from material splashes. Please consult the relevant safety data sheet and attend to the indications on the label of the package regarding the

Dangerous Goods Regulation. This pamphlet is intended solely as an application directive. It does not claim to be binding and valid for all modes of application. A preliminary test under operation conditions is highly recommended.

This pamphlet replaces all previously published pamphlets concerning RECKLI CR Type N-WB, stating them as no longer being valid.

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