



Nafuclar W

Surface retarders for exposed aggregates concrete finishes

Product Properties

- Enable a clean and easy demoulding and easy washing out of the exposed aggregates concrete surfaces
- Possess high resistance to environmental fluctuations of weather conditions in addition to being aesthetic and artistic

Areas of Application

- Ideally suitable for Production of exposed aggregate finishes

General

Nafuclar range of surface retarders are developed and formulated to achieve multiple advantages. They are ideally suited for the production of exposed aggregate finishes or for the purpose of producing a surface suitable for keying subsequent plastering.

Nafuclar W: Four grades are available in a paste form for the production of exposed aggregates finishes, which can be brushed on to the surfaces of moulds, in a so called “negative or face down” process. Depending upon the effect required, the four grades can be regarded as suitable for aggregates in the concrete of following sizes:

Nafuclar W 04 for 4 mm aggregates

Nafuclar W 08 for 8 mm aggregates

Nafuclar W 16 for 16 mm aggregates

Nafuclar W 32 for 32 mm aggregates

Other grades of **Nafuclar W** can be made available on request for grain sizes of more than 32 mm. A preliminary trial is required.

Advantages

The **Nafuclar** surface retarders enable a clean and easy demoulding and easy washing out of the exposed aggregate concrete surfaces, immediately after the demoulding of the form works. The result is an even etching depth, unobjectionable sharp edges and exposed aggregates concrete of high resistance to changing weather conditions in additions to being aesthetic and artistic.

The “face-down” method offers the possibility of an economic production of even, leveled and properly aligned exposed aggregate concrete especially in case of prefabricated elements.

Moreover “face-down” process eliminates the problem of stripping of the exposed aggregates concrete slab paper normally used in connection with “face-up” process subsequently leading to flawless exposed aggregates concrete surfaces.

Instructions for use

All **Nafuclar** types are supplied in ready to use grades, and should not be diluted. The choice and decision to use a particular grade depends on the effect required. We recommended carrying out on site trials to determine the suitability and optimum coverage.

The shuttering can be new or used ones, including plywood, plain wood, PUR-treated wood, hardboard, steel or fibre glass. Only in case of untreated or rough wooden formwork being used for the first time, it is advisable to use a suitable, good grade mould release agent.

If previously used formworks are employed, remnants of concrete, rust and any other contaminations should be removed from the surface of the moulds. **Nafuclar W** may be applied by means of suitable brushes or rollers. The vertical sides should be coated first. Precautions are to be taken to ensure that it is evenly applied and the entire surface is completely covered. Normally the work should be carried out fresh in fresh. Letting the applied **Nafuclar W** dry can be of a special advantages in case of vertical and structured form works need to be protected in the long term.

If formwork coated with **Nafuclar W** is left exposed to the air a dry surface results, and thereafter it need not be protected from moisture or rain.

Further Instructions / Precautions

Exposed Aggregate Finish Using Nafuclar W



Exposed Aggregate Finish Using Nafuclar W



Technical Data For Nafuclar W

Characteristic	Unit	Value	Comments
Density	g / cm ³	1.18	± 0.02
Consumption	q / m ²	150-250	Approx

Product Characteristics for Nafuclar W

Type of Product	Surface retarders for exposed aggregates concrete finishes
Form	Liquid Emulsion
Colour	Light Brown
Shelf Life	12 months
Delivery	40 kg pails
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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