

RHEOFACE® 426

Solvent free surface deactivator for negative application for the manufacturing of exposed aggregate concrete. Combination with an anti bonding agent to reduce cleaning times of the moulds.

Description

RHEOFACE® 426 is an aqueous dispersion of high-grade active components free of organic solvents. After application it forms a soft but stable film on the formwork. After demoulding the film remains on the concrete surface or on the formwork where it can be removed easily. The forms remain clean and nearly dust free.

A range of four graded types marked by colour codes are available:

- Yellow: exposure depth: 0.1-0.5mm
- Green: exposure depth: 1.0-2.0mm
- Pink: exposure depth: 2.0-3.0mm
- Grey: exposure depth: 3.0-6.0mm

Fields of application

RHEOFACE® 426 may be applied for architectural concrete where excellent surface finishes and high reproducibility are required. It should preferably be used on mould surfaces (negative) application.

The application on concrete surface (positive) is also possible. RHEOFACE® 426 is ideal for all types of concrete surfaces, guaranteeing perfectly washed surfaces, especially for all horizontal and vertical, smooth, structured or bevelled form work such as polymers, wood or steel.

Features and Benefits

RHEOFACE® 426 gives an improved exposed surface of concrete. Due to its low viscosity it is easy to apply, economical in use and very reliable even under difficult application conditions. It dries quickly, is resistant against humidity and abrasion and can be applied on all types of clean moulds.

The high grade effect of RHEOFACE® 426 allows a wash-out time from 16 hours. The immediate wash-out after the stripping of the forms guarantees uniform and perfect edges.

- For excellent surface finish
- Solvent free and environmental friendly
- Speeds up the production process by shortening the cleaning times of the forms
- Reliable function under difficult application conditions
- Easy and economical application

Technical data

Colour: depending on the depth of exposure.

Packaging

RHEOFACE® 426 is packed in containers of 20kg.

Application procedure

The choice of the right type of RHEOFACE® 426 should be made by pilot trials in the production. RHEOFACE® 426 has to be mixed well with a paddle before use.

For negative applications RHEOFACE® 426 has to be applied preferably with a foam roller or a spraying unit economically but evenly onto the mould as one or two coats.

The drying time depends on the thickness of the film and the ambient temperature and humidity.

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As example the drying time at 25°C and 60 % rel. humidity was determined as:

Spraying application	15-30 min
Foam roller	30-60 min

For positive application, a spraying unit is to be used. The concrete surfaces, which will be sprayed, should be free of bubbles. Covering of the sprayed areas is not required, but could be of advantage.

The hardening process of the concrete should start earliest 60 minutes after pouring. Heating of the form earliest 1 hour after consolidation. All data of the pilot trial should be transmitted exactly to the manufacturing process.

Vibration respectively consolidation times as short as necessary. Ideal vibration times have to be determined during trials.

The wash-out normally takes place after 16 hours. The concrete elements should at least stay in the forms for 8 hours. The wash-out can be done most efficiently by high pressured water.

Consumption

1 kg for approx. 8-12m² per coat depending on the type of formwork and its absorption.

Storage

Protect from freezing and pollution. Storage temperatures should not exceed 50°C. If stored in original sealed containers at 30°C RHEOFACE® 426 is durable for 6 months.

Handling and transportation

No special requirements need to be observed during use of RHEOFACE® 426. Do not eat, drink or smoke during the application. Protection gloves and glasses are recommended.

RHEOFACE® 426 is not subject of any special regulations for transportation and shipping.

For details please observe the Material Safety Data Sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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