

TYPE

Non-saponifiable polymer dispersion which dries by oxidation

USES

As a binder for aqueous air- and force-drying coatings, especially primers, one-coat matt finishes and adhesion primers (suitable for ferrous and non-ferrous metals)

FORM SUPPLIED

Approx. 30 % in water, neutralized with approx. 0.5 % ammonia and 0.3 % triethylamine, contains no organic co-solvents

SPECIFICATION

Non-volatile content (1 g, 1 h, 125 °C): 28 - 32 %

DIN EN ISO 3251

Viscosity (23 °C, D = approx. 40 s⁻¹): 1600 - 3000 mPa·s

DIN EN ISO 3219/A.3

Acid Value DIN EN ISO 2114: 19.5 - 25.5 mg KOH/g

DIN EN ISO 2114

pH (10% solution with in water): 8.5 - 9.1

DIN ISO 976

OTHER DATA *

Appearance: turbid, brownish

Mean particle size: < 200

Density (20 °C): approx. 1.0 g/cm³

DIN EN ISO 2811-2

* These values provide general information and are not part of the product specification.

PROPERTIES / APPLICATIONS

SETAQUA B B 2624 has been developed for the formulation of fast-drying industrial anti-corrosion primers and one-coat finishes.

The films are characterized by outstanding anti-corrosion properties, water resistance and adhesion on ferrous and non-ferrous metals and various plastic surfaces. However, they are not UV-stable and therefore suitable almost exclusively for primer formulations. The overcoatability is assured for most top coat systems. The product needs to be formulated with dryers and anti-skin agents.

SETAQUA B B 2624 has good shear stability, therefore pigments can be ground directly into the binder. The grinding temperature should not exceed 40 °C. The coatings can be applied using conventional spraying techniques and by dipping and flow coating.

SOLUBILITY / THINNABILITY

With water.

COMPATIBILITY

The product can be combined with other aqueous binders. However, compatibility should always be tested.

STORAGE

When stored in originally sealed containers at temperatures not exceeding 30°C, the product will remain stable for at least 365 days.

Due to the character of the polymer, the product tends to form a skin which is accelerated by sun exposure and/or temperature higher than 30 °C. Therefore filtration of the product (without heating) before applied by the end-user is recommended.

General information

The product is sensitive to frost. Freezing will damage the product irreversibly. Prolonged storage and storage at higher temperatures may result in a decrease of viscosity and/or an increase of average particle size, possibly resulting in sedimentation or coagulation. Contamination with certain bacteria, fungi or algae may render the product unusable.

LABELING AND REACH APPLICATIONS

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.