SETAL® A F 26 X

Technical Datasheet

TYPE

Short-oil, air or force-drying resin based on vegetable fatty acids

USES

In the formulation of primers, knifing fillers, primer surfacers, top coats and dipping paints and flow coatings for radiators.

FORM SUPPLIED

Approx. 60 % in xylene

SPECIFICATION

Non-volatile content (2 g, 1 h, 125 °C): DIN EN ISO 3251	60 ± 1 %
Viscosity (23 °C): DIN EN ISO 3219/A.3	2500 ± 500 mPa·s
Acid value, supply form: DIN EN ISO 2114	6.5 ± 2 mg KOH/g
Iodine color value: DIN EN 1557	≤ 5

OTHER DATA*

Oil content, triglyceride, solvent-free: DIN ISO 6744-4	approx. 27 %
Phthalic anhydride, solvent-free: DIN ISO 6744-2	approx. 39 %
Hydroxyl content, supply form: DIN 53 240-2	approx. 1.3 %
Density (20 °C, solvent-free): DIN EN ISO 2811-1	approx. 1.17 g/cm³
Density (20 °C): DIN EN ISO 2811-2	approx. 1.02 g/cm³
Flash point: DIN EN ISO 1523	approx. 25 °C

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

PROPERTIES / APPLICATIONS

Coatings based on SETAL A F 26 X are characterized by their very rapid drying and curing, high resistance to yellowing, weather stability and good anti-corrosion properties.

The use of alkaline pigments such as zinc phosphate, zinc oxide and aluminium triphosphate make it possible to optimize the anti-corrosion properties of primers based on SETAL A F 26 X

Knifing fillers and primer surfacers applied in thickness of up to 200 µm can be dry-sanded within 1 hour.

Combination with aminoplastic resins is recommended when formulating force-drying coatings.

SOLUBILITY / THINNABILITY

Generally speaking, SETAL A F 26 X has good compatibility with the solvents listed. However, the solutions formed must be tested for their storage stability.
SETAL A F 26 X can be thinned with aromatic hydrocarbons, esters and ketones.

COMPATIBILITY

Non-flexibilised melamine resins	compatible
Phenol-modified resins	compatible
Non-flexibilised urea resins, Pergut[1],	partly compatible
Copolymers (e. g. Laroflex MP 45[2])	
Alkaline pigments	compatible

[1] Covestro
[2] BASF

STORAGE

When stored in its sealed containers at temperatures not exceeding 30 °C, the product will remain stable for at least 545 days.

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.